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This publication contains abstracts of research and related materials useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers and others who have an interest in vocational and technical education. Most of the abstracted materials in this first publication represent the specific research and related projects funded with U.S. Public Law 88-210 ancillary funds through the fiscal years of 1965-1968. The abstracts are organized by the inclusive dates of the projects: (1) 1965 to 1966, (2) 1966 to 1967, (3) 1965 to 1967, (4) 1967 to 1968, (5) 1966 to 1968, (6) 1965 to 1968, (7) 1968 to 1969, (8) 1967 to 1969, and (9) 1966 to 1969. A vocational service index allows the reader an approach to documents in his area of interest: (1) Agriculture, (2) Business, (3) Distributive Education, (4) Guidance, (5) Health, (6) Home Economics, (7) Trade and Industry, and (8) All Services. Subscription information for three additional abstract journals is appended. (DM)

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Pennsylvania's Abstracts of Research and Related Materials in Vocational Education

Pennsylvania Department of Public Instruction 1969

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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Pennsylvania's Abstracts of Research and Related Materials in Vocational Education

Bureau of Vocational, Technical and Continuing Education
John W. Struck, Director

Bureau of Research
Robert B. Hayes, Director

Research Coordinating Unit
Jay Smink, Director

Research Coordinating Unit
John Landis, PARM Editor

Commonwealth of Pennsylvania
Raymond P. Shafer, Governor

Department of Public Instruction
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RESEARCH COORDINATING UNIT

The purpose of the Pennsylvania Research Coordinating Unit for Vocational Education (RCU) is to stimulate, coordinate, and disseminate research in all agencies, both public and private, that offer educational programs in Vocational-Technical Education in Pennsylvania.

The major objectives of the RCU are:

1. To develop an awareness of the importance and significance of vocational-technical education research in Pennsylvania.
2. To stimulate and encourage vocational-technical education research and development activities in Pennsylvania.
3. To improve the quality and quantity of present, and future vocational-technical education research in Pennsylvania.
4. To keep those concerned with vocational-technical education informed of research findings that have application to Pennsylvania school districts.
5. To foster a cooperative attitude toward vocational-technical education research among educator, industry, and governmental agencies.

DEPARTMENT OF PUBLIC INSTRUCTION

Bureau of Vocational, Technical and Continuing Education	Dr. John W. Struck, Director
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Pennsylvania's Abstracts of Research and Related Materials will be an annual publication. PARM will be updated each fall to include projects completed in the previous fiscal year. Further information about the abstracted projects can be obtained by writing to the Research Coordinating Unit or directly to the project directors.

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PREFACE

Pennsylvania's Abstracts of Research and Related Materials in Vocational and Technical Education (PARM) is a publication which introduces to the Commonwealth a statewide information system of vocational education research literature.

PARM includes abstracts of Pennsylvania research activities and other research related projects which are useful to a wide audience of users such as researchers, supervisors, teacher educators, education specialists, administrators, teachers and others who have an interest in vocational and technical education.

Most of the abstracted materials in this first publication represent the specific research and research related projects funded with P.L. 88-210 ancillary monies through the fiscal years of 1965-66, 1966-67, and 1967-68.

PARM was designed to parallel the publication of the much larger USOE information system - Education Resources Information Center (ERIC) - which provides abstracts of research projects having national significance. Because the primary publication of ERIC, Research in Education, has national acceptance, and the national and state programs have similarities, the publication format of PARM was developed to parallel RIE.

PARM is also similar in format and content purposes to the quarterly publication, Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), produced by the Vocational Education Clearinghouse at the Ohio State University. This clearinghouse is one of 20 functional units of the national ERIC system. The Research Coordinating Unit communicates regularly with the Vocational Education Clearinghouse. Educators are encouraged to request assistance with research information retrieval or submissions from the RCU.

Jay Smink, Director
Pennsylvania Research
Coordinating Unit for
Vocational Education

INTRODUCTION

The Organization of PARM

Pennsylvania's Abstracts of Research and Related Materials in Vocational Education is based generally on *Abstracts of Research and Related Materials (ARM)*. *ARM* is the companion publication to *AIM*, both of which are published by the ERIC Clearinghouse for Vocational Education at Ohio State University. PARM represents the best efforts to abstract and report all research projects in vocational education in Pennsylvania. Projects included in PARM are from the fiscal year 1965-1966 to projects presently in progress. A few projects, however, have not been reported or completed because of unusual circumstances. The abstracts are organized according to the year or years the project was in progress. The projects are coded according to these years. The abstracts are usually two hundred and fifty words or less in length.

Code	
PA16000	July 1, 1965 to June 30, 1966
PA17000	July 1, 1966 to June 30, 1967
PA18000	July 1, 1967 to June 30, 1968
PA19000	July 1, 1968 to June 30, 1969

(Projects are coded with two or three code numbers if they were in progress for two or three years.)

SAMPLE ABSTRACT

Project Number
Identification number assigned to projects

PA16033-PA17033-PA18033
The Development and Evaluation of a Pilot Computer Assisted Occupation Guidance Program

PROJECT TITLE

AUTHOR(S)
Individuals who prepared the report

Impellitteri, Joseph T.
Project Director and Principal Investigator
Pennsylvania State University, University Park,
Pennsylvania 16802

AUTHOR'S TITLE AND ADDRESS

FUNDING
Funds used for the project

$194,530.00 Federal-State Funds $85,080.00 Other Funds
7/1/65 to 6/30/68

DATE OF PROJECT
Initiation to completion

DESCRIPTORS
Project Type(s)
Vocational Services
Educational Level(s) of the project

*Project Type - Research related, Developmental
*Vocational Services - Guidance, Trade and Industry
*Educational Level - College and University

ABSTRACT
A condensed report of the project. When applicable it includes objectives, procedures, results, and conclusions of the project.

The objectives of this project were: (1) to provide an easily updated individualized occupational information retrieval system, (2) to develop through an essentially humanistic approach a process whereby youth could develop their own individualized frameworks of the occupational structure, and (3) to provide an experience for youth to acquire, by simulated practice, operational strategies in relating their abilities and interests to occupational opportunities. The procedure for the study involved the use of an IBM 1401 computer for exploration of occupations. A remote student terminal provides the means by which the student interacts with the system. The remote terminal is composed of a typewriter-like device, a tape recorder, and a slide projector, all controlled by the computer. The project concluded that the computer-assisted career exploration system is an effective and feasible device in assisting youth to explore occupational opportunities.

1965 to 1966
Projects
(16000)

PA16002

Guidance for a Comprehensive Program for the Area Vocational-Technical School

Toole, James O. and Davenport, R. W.
Director of Vocational Education Administration and Superintendent of Schools
Carbon County Area Vocational-Technical School, Educational Building,
Jim Thorpe, Pennsylvania
$15,370.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Research related, Developmental
*Vocational Services - Business, Distributive, Health, Guidance, Trade & Industry
*Educational Level - Comprehensive High School

The objectives of this research project were to determine what guidance procedures are presently used in a number of vocational-technical schools and to develop guidelines for a comprehensive guidance program to be implemented in area vocational-technical schools in Carbon County. An advisory committee was selected to guide the scope of the study, to review objectives, and to develop a curricular criteria. The procedures were to collect, analyze, and evaluate the data. The data collected included the schools' existing curriculum, its basic tests and measuring devices, its areas of concentration, and its guidance methods and techniques. The results were the development of curriculum guides, the production of copies of studies, and a published report of the program disseminated to area vocational-technical guidance counselors in Pennsylvania. The conclusion was that there is a further need for evaluation and re-evaluation of guidance procedures and techniques. This evaluation will be a five-year continuing process which will involve analyzing the testing program, comparing yearly data, and studying the functional aspects of a comprehensive guidance program.

PA16003
A Comprehensive Conception for Facilities for Vocational Education

Kishkunas, Louis J.
Assistant Superintendent of the Center for Occupational, Vocational, and Technical Education
Pittsburgh Board of Public Education, 341 South Bellefield Avenue, Pittsburgh, Pennsylvania
$49,341.41 Federal-State Funds 6/15/65 to 6/30/66

*Project Type - Research related, Developmental
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry

The objective of this project was to coordinate comprehensive high school facilities with Occupational, Vocational, and Technical (OVT) facilities for the purpose of coordinating academic and general programs. This was to enable students in skill-centered curricula to obtain a well-rounded education. Consultants from the three major fields related to school facilities, Educational Specifications, Architectural, and Engineering, were selected. The consultants obtained pertinent data on anticipated enrollment, course offerings, recommendations for remodeling and additions, and/or construction necessary to adequately accommodate emerging OVT programs in comprehensive, regional, and specialized school buildings and/or community structures. Curricula design was also determined from surveys of interested students, employees, employers in the area, and personnel managers in industries of the Pittsburgh area. The results were the establishment of financial requirements for an OVT school and the production of innovative conceptions for building facilities for occupational, vocational, technical education. The conclusion was that the need for the establishment of an OVT school in Pittsburgh did exist.

PA16005
Preparation of New Vocational Education Curricula

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational, and Technical Education
Pittsburgh City School District, 3415 South Bellefield Avenue,
Pittsburgh 13, Pennsylvania
$125,663.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of this project were: (1) to update and revitalize the existing curriculum, (2) to develop new curricula to meet new and emerging occupational requirements, and (3) to design and test an effective apparatus for the maintenance of curricula in a state of reasonable currency. The procedure followed was the organization of 40 curriculum committees. Each committee was provided appropriate advisory service from a subcommittee, organized in accordance with the requirements of the particular subject matter area. The total project operated under the administrative control of six appropriately qualified supervisors drawn from the city school system. The individual teachers were charged with the responsibility of evaluating the effectiveness of the program to meet his particular teaching situation. The major result of the project was the development of a new and revised curriculum to meet vocational requirements. The project also developed a procedure to update the curriculum.

PA16006
Vocational Teacher and Counselor Reorientation

Smith, David A. and Kishkunas, Louis J.
Coordinator and Assistant Superintendent
Pittsburgh Board of Public Education, 341 South Bellefield Avenue,
Pittsburgh, Pennnsylvania
$49,408.00 Federal-State Funds 6/23/65 to 6/30/66

*Project Type - Workshop
*Vocational Services - Agriculture, Business, Distributive, Guidance,
Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of this project were: (1) to reinforce college prepared industrial arts, business, and home economics teachers with work experience in the trade or program to be taught, (2) to update and upgrade the certified vocational or technical teacher with knowledge of current industrial standards, procedures and equipment, (3) to aid the work experience instructor to keep in step with new concepts in the teaching profession, and (4) to give guidance counselors a background in work opportunities for young people. Three hundred and two teachers from vocational-technical programs and 47 guidance counselors were selected for the study. The study utilized industry, class schedules, and evaluative analysis of the program. The conclusions were: (1) that the overall program relied on the advice and council of the advisory committee consisting of several hundred men and women operating in a school system, (2) that the job centered curricula program concentrated on upgrading and updating the vocational-technical teacher program, (3) that a definite organizational plan for the cooperation between the teacher, classroom, and industries was structured, (4) that the industries should send representatives and equipment to aid the teacher, and (5) that a list of facilities and programs were made available for in-service training of vocational-technical teachers.

PA16014

Area Vocational-Technical School Regional Seminar for Secondary School Counselors and Principals in Selected Counties of the University of Pennsylvania Industrial Coordination Area.

Bucks County Public Schools
Administration Building, Doylestown, Pennsylvania
$19,625.00 Federal-State Funds $15,000.00 Local Funds 7/1/65 to 6/30/66

*Project Type - Workshop, Research related, Pilot
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School, Post High School, Area Vocational-Technical School

The objective of this project was to publish a booklet identifying knowledge concerning occupations and change in occupational choice for youth and adults in the Commonwealth. The project produced the booklet "Profile of Ideas and What's Your Future in the World of Work...Think About It...Do Something About It!" The occupational booklet is a basic guideline for planning programs of instruction about the world of work. It gives information to youth about occupations, types of programs, and schools and their location in Pennsylvania.

PA16015

Distributive Education Department

Scott, C. P.
Vocational Education Administrator
University of Pittsburgh, 2630 Cathedral of Learning, Pittsburgh, Pennsylvania
$16,150.16 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Curriculum Development, Instructional Equipment
*Vocational Service - Distributive
*Educational Level - Community College, College and University

The primary purpose of this study was to update the present audio-visual equipment and films used by the adult Distributive Education field instructor. The pilot study showed that there was improvement in the use of films, equipment, and microteaching technique in the Distributive Education programs in western Pennsylvania, specifically in-service training in Area Vocational Schools and in Vocational-Technical programs in Community Colleges.

PA16016
Pilot Program of Diversified Occupations

Biddle, Glanard L.
Teacher Coordinator
Shippensburg Area Joint School System, 75 West King Street, Shippensburg, Pennsylvania
$4,497.49 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Curriculum Development, Research related, Pilot
*Vocational Services - Agriculture, Business, Home Economics
*Educational Level - High School

The objectives of this pilot program were: (1) to supplement the several vocational classroom programs - agriculture,business, home economics - with work experience training, (2) to provide the opportunities for specific office trade and industrial employment while pursuing a general education in the secondary classroom, and (3) to train students for immediate employment upon graduation with realistic skills, responsibilities, and experience of industry and business, The program was interrelated utilizing the school, local business, and industry matter, training activities, student selection criteria, and a structured program for staff responsibilities. Survey data was derived from job analysis evaluation and reports on student performance from employers and teacher-coordinators. Results of the survey indicated: (1) that the interrelationship between the teacher-coordinator, the business community, and the school community was of significance in the diversified occupations and (2) that the teacher-coordinator must assume the total responsibility for the functions of the new curriculum.

PA16017
School Food Service Institute

Rhodes, Opal T.
Vocational Education Chairman
Indiana University of Pennsylvania, Indiana, Pennsylvania
$3,820.00 Federal-State Funds   7/65 to 9/65

*Project Type - Workshop, Developmental
*Vocational Service - Home Economics
*Educational Level - College and University

The objectives of this project were to upgrade food service employees through in-service education and to instruct as to provide adequate nutrition for school children. The project was conducted in a three week summer institute. Students were assigned to groups according to their jobs, previous experience, and previous education. The program curricula was divided into four areas: Food Preparation, Food Study, Menu Planning for Good Nutrition, and Management Problems. The results were that original goals were achieved and that it motivated a large portion of the students to continue or advance their education in Home Economics. Further immediate evaluation was not significant. Evaluation and re-evaluation was to be continued over a two-year period. The results of the first year evaluation were used to plan future Home Economics in-service programs in Pennsylvania.

PA16018
Pre-Kindergarten Workshop

Randolph, Katherine G.
Associate Director of Home Economics
Indiana University of Pennsylvania, Indiana, Pennsylvania
$2,486.00 Federal-State Funds   6/65 to 8/65

*Project Type - Workshop, Staff Development
*Vocational Service - Home Economics
*Educational Level - College and University

The workshop was conducted during the summer session. Participants were alerted by the college catalogue, fliers, and state supervisors. The curricula was directed toward child study and child care and provided actual experience with disadvantaged children. The evaluation of the workshop indicated specific groups were helped. The groups aided were: (1) disadvantaged children, (2) college community children of whom 70 would not have previously been included in the department nursery school, (3) teachers, (4) high school students to be taught by the teachers, and (5) children who will ultimately receive intelligent guidance from the teachers.

PA16019
Project 20 (Vocational Education for Under-Achievers)

Funk, Walter and Buck, John N.
Principal and Assistant County Superintendent
Coatesville Area School District, 1515 East Lincoln Highway, Coatesville, Pennsylvania
$7,177.00 Federal-State Funds 8/26/65 to 6/30/66

*Project Type - Pilot
*Vocational Services - Health, Home Economics
*Educational Level - High School

The participants in this study were 20 students who were under-achievers in previous years. Classroom experience was conducted in the learning center. The experience coordinated a vocational survey consisting of ten potential job opportunities. A diagrammatic outline and student weekly work schedule indicated how the project was carried out. The conclusions of the study were: (1) that the program provided the students with incentive to complete their formal education, (2) that vocational guidance assisted the youths to discover their own interests, aptitudes, and limitations, by exploring the world of work, and (3) that it assisted the students in making the transition from school to job to be a productive citizen. The project was evaluated by practical experience with the student by a qualified supervisor.

PA16021
Preparation of Specifications for Equipment in Area Vocational-Technical Schools

Albright, Harold B.
Vocational Education Administrator
Montgomery County Area Vocational-Technical School, 50 South Peen Street, Hatboro, Pennsylvania
$6,279.49 Federal-State Funds 6/29/65 to 6/30/66

*Project Type - Instruction Equipment
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical School

The objective of this project was to provide equipment specifications which would implement the establishment and development of vocational-technical schools. The result of the project was the updating of the equipment specifications in Area Vocational-Technical Schools.

PA16030
Conference on Vocational Education

Hertzfeld, Arthur
Director, Division of Vocational Education
School District of Philadelphia, 21st and Parkway, Philadelphia, Pennsylvania
$4,900.00 Federal-State Funds $900.00 Other Funds 2/25/66 to 2/26/66

*Project Type - Workshop, Research related
*Vocational Services - Agriculture, Business, Distributive, Health, Guidance, Home Economics, Trade & Industry
*Educational Level - College and University

The objectives of the program were to evaluate the present vocational education program and to improve the program by using the latest innovations in existing programs throughout the Country. Involved in the conference were the Philadelphia School District Staff and 200 other persons. Experts in vocational fields and related fields of employment also attended to obtain cooperation, interaction, and reaction with the administrative and supervisory staff. The conclusions of the conference were: (1) that the reorganization of the educational system is functional to economy; (2) that the implications of developmental strategy in vocational education should result in a radical reorganization of the total concept of secondary education; (3) that extra educational assistance be provided for under-achievers; (4) that the comprehensive high school and/or the specialized vocational high school must develop a range of programs to meet individual needs through individualized instruction; (5) that a more effective data system is needed to translate economic projections into manpower characteristics and a future oriented curriculum; (6) that an effective way of assessing techniques be developed; (7) that counselors be oriented toward a modern innovative education; (8) that serious consideration be given to the Vocational Act of 1963 and the Manpower Development and Training Act of 1962.

PA16031
Distributive Education

Zeimes, Norbert J.
Acting Director of Distributive Education
Temple University, College of Education, Philadelphia, Pennsylvania
$5,125.57 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Curriculum Development, Instructional Equipment
*Vocational Service - Distributive
*Educational Level - College and University

The objectives of the project were: (1) to replace obsolete equipment, (2) to increase the number of Distributive Education students, (3) to change the location of facilities, (4) to keep up with new developments in audio-visual education.

PA16034
Vocational Education Leadership Conference

Singer, Dr. Hallick
Director of Vocational Education
University of Pennsylvania, 3810 Walnut Street, Philadelphia, Pennsylvania
$9,354.50 Federal-State Funds 5/1/66 to 6/30/66

*Project Type - Teacher Training
*Vocational Service - Trade & Industry
*Educational Level - College and University

The objectives of this conference were to identify, to develop and to strengthen leadership skills of new and potential vocational education leaders. These objectives were to be accomplished by providing the opportunity to study and discuss problems of philosophy, administration, supervision, and organization of vocational education as well as current State policies, procedures, and regulations regarding organization and operation of programs. The conference program was planned and organized by the advisory committee under the leadership of a conference director. Participants were selected by invitation but were limited to the Eastern Coordination Area.

PA16035
General Business Education

Hysong, James L.
Superintendent of Schools
Brookville Area School District, Brookville, Pennsylvania
$3,477.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Developmental, Instructional Equipment
*Vocational Service - Business
*Educational Level - High School

The objective of this project was to develop a more effective business education program. The objective was accomplished by securing another teacher and purchasing equipment needed by students to proceed more easily into the world of work.

PA16037
Data Processing Systems

Harman, Allen C.
County Superintendent of Schools
Montgomery County Area Vocational-Technical Schools, Hatboro, Pennsylvania
$31,581.00 Federal-State Funds $12,327.00 Local Funds 7/1/65 to 6/30/66

*Project Type - Developmental, Instructional Equipment
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical High School

The major objective of this project was to organize and train a competent data processing staff who have a prime objective of satisfying the needs of the school districts as well as of the vocational-technical schools' requirements. The procedure involved the development of personnel and the specification of equipment requirements to operate the Data Processing Center. Next, a steering committee composed of the Chief School Administrator of the participating school districts was formed. The criteria for evaluation interpreted the students course evaluation placement success in local industry and alumni reports of the practical value of such training.

PA16039

Follow-Up Study of Non-College and Non-Business Graduates of Pocono Mt. Junior-Senior High School for Years 1962, 1963, 1964, and 1965.

Dunlap, C. William
Supervising Principal
Pocono Mt. Joint School, Swiftwater, Pennsylvania
$126.00 Federal-State Funds $126.00 Other Funds 3/15/66 to 6/30/66

*Project Type - Research related
*Vocational Service - Business
*Educational Level - High School

The objectives of this project were: (1) to identify the number of students who attended college, business school, or did not pursue higher education, and (2) to develop a curriculum to meet the needs of the graduates. The procedure was sending survey questionnaires to 451 students who graduates. Eighty-five percent of the questionnaires were returned. The data was analyzed and evaluated as to categories of occupations, degree of satisfaction with present positions (male and female classifications), reasons for failure to get positions for which application was made and the reasons for going to college. A tabulation was made of business courses which graduates felt would have helped them find more satisfactory positions than their present positions. The results were: (1) that of the 451 graduates, 194 did not attend any school of higher learning and did not take any business courses (except for one year of typing), (2) that 142 students pursued higher education and/or college, and (3) that 115 students attended business schools. The study proved to be innovative in that it provided the opportunity for business education teachers and guidance counselors to develop a curriculum to meet the needs of the graduating students and the business world.

PA16040

Administration for Work-Study Project

Bloney, Fred
Distributive Education Coordinator
School District of Philadelphia, 21st Street at Parkway, Philadelphia, Pennsylvania
$40,526.00 Federal-State Funds $12,320.00 Other Funds 11/1/65 to 6/30/66

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Distributive, Health, Home Economics, Guidance, Trade & Industry
*Educational Level - High School

The objective of this program was to provide financial assistance for needy students to enable them to continue their education in order to achieve vocational competence. The procedure was to include the placing of students in work experience directly related to the vocational curriculum. A staff of six professional job coordinators was to investigate job opportunities and to assume responsibility for the placement of students on the jobs. These coordinators were to work closely with guidance counselors.

PA16043

Public Service Institute - In-Service Training - Occupational Education

Miller, Frederick H.
Director of Public Service Institute
Public Service Institute, Room 49 Education Building, Harrisburg, Pennsylvania
$20,450.00 Federal-State Funds 5/2/66 to 6/30/66

*Project Type - Training, Instructional Equipment
*Vocational Services - Agriculture, Business, Distributive, Health, Home Economics, Guidance, Trade & Industry
*Educational Level - College and University

The objective of this project was to aid the Public Service Institute in the improvement of local level course instruction and for the local-level part-time employed instructors who were working under handicaps without up-to-date visual aids and public address equipment. The equipment purchased was: (1) overhead transparency projectors, (2) projection screens, (3) 16mm. sound projectors, and (4) portable public address system. The result of these courses was that government personnel developed abilities to better perform the functions and responsibilities of their positions.

PA16046
Research and Experimental Program in Distributive Education

Blaney, Fred and Smith, Paul R.
Distributive Education Coordinator and Instructor
Armstrong County School Board, Kittanning, Pennsylvania
$3,505.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Research related, Developmental
*Vocational Service - Distributive
*Educational Level - High School

The objectives of this project were: (1) to have students understand operations of a business, (2) to increase teaching and learning efficiency, and (3) to provide the student with additional skills. The procedure involved developing a practice set. The first part of the project was to teach the basic operation of the business. The second part enabled the student to operate the business. This set was developed with the cooperation of local businessmen. The project was evaluated by comparing test results, employer surveys, and student surveys after graduation.

PA16050
Adult Education - Pilot Project

Kurtz, Ray A.
Supervising Principal
Blue Mountain School District, 25 Wilder Street, Cressona, Pennsylvania
$831.93 Federal-State Funds 4/18/66 to 5/13/66

*Project Type - Pilot Research related
*Vocational Service - Agriculture
*Educational Level - Post High School

The objective of the pilot project was to determine the potential adult education needed/ or wanted in agriculture in the area served by the Blue Mountain School District. The statistical data was derived from written and personal interviews. The results of the project determined: (1) what instructional program was needed for farmers employed in off-farm agricultural occupations and the number of farmers farming on full or part-time basis and (2) how many farmers were available for full or part-time instruction. The conclusion was that a need existed for the establishment of an agricultural instruction program.

PA16052

Study to Determine Feasibility of Using Master Teachers and Technicians in the Teaching of Shorthand and Typewriting

Ferencz, Dorothy
Business Education Teacher
Harrisburg Area Community College, 2988 North Second Street, Harrisburg, Pennsylvania
$14,972.00 Federal-State Funds $17,991.00 Other Funds 7/1/65 to 6/30/66

*Project Type - Teacher Training, Research related
*Vocational Service - Business
*Educational Level - Community College

The objective of this pilot program was to determine whether it was desirable to have a master teacher teach more than one class in shorthand and typewriting at the same time. This was accomplished by using technicians, magnetic tape recordings, film slides, transparencies, and techistoscope slides. The sample population consisted of two sections of 25 students, one the control group, the other the experimental group. In order to establish that both groups were from the same population, the following tests were used, the A.C.T. English and Turse Shorthand Aptitude Tests (for students with no previous training in shorthand and typewriting), the A.C.T. English Test, the A.C.T. Shorthand Test, and the Individual Placement Series (for students who had previous job training). The National Business Entrance Tests, Typewriting Test Form 19-56, and Stenographic Test Form 19-53 were administered at the completion of the project to determine the achievement in the groups. The result of the experiment was that the experimental method was as effective as the control method.

PA16054
Trade and Industrial Education-Teacher Education

Brandon, Dr. George
Professor and Department of Vocational Education Director
Department of Vocational Education, Pennsylvania State University, University Park, Pennsylvania
$5,512.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Instructional Equipment
*Vocational Service - Trade and Industry
*Educational Level - College and University

The objectives of the project were to update secretarial and accounting equipment and to obtain research personnel for the department. The full-time staff maintains the administrative and supervisory functions in Teacher Education, Research, Curriculum Development, and Field of Supervision of Trade and Industrial Education.

PA16056
Pilot Workshop in Vocational Guidance for Guidance Directors and Counselors

Wisor, Robert
Director of Centre County Planning Commission
Centre County School Board, Courthouse, Bellefonte, Pennsylvania
$300.00 Federal-State Funds 4/8/66 to 5/12/66

*Project Type - Workshop
*Vocational Service - Guidance
*Educational Level - College and University

The objectives of the three-day workshop were: (1) to acquaint the academically oriented guidance personnel with a greater understanding of Vocational Education and (2) identify the industrial opportunities available to high school students. The workshop included: (1) assigned projects relating to the respective schools of counselors, (2) lectures pertaining to specialized guidance techniques, (3) research material on various occupations, and (4) group discussions on specific problems relating to industry, agriculture, and manufacturing. The workshop was evaluated by conferences with students and parents. These conferences were to determine how satisfactory the procedures and techniques used in counseling were in meeting the needs of the high school student upon graduation into the world of work.

PA16060
Teacher Education

Irumbeller, A. E.
Chairman of Business Education
Indiana University of Pennsylvania, Indiana, Pennsylvania
$7,097.50 Federal-State Funds 5/10/66 to 6/30/66

*Project Type - Instructional Equipment
*Vocational Service - Business
*Educational Level - College and University

The objective of the project was to update business education equipment. The equipment was used in the Clerical Practice and Office Machines course and Advanced Typewriting course. The equipment was to help prepare the students adequately to teach in schools with this equipment.

PA16061
Workshop for Secondary Home Economics Teachers

Fischer, Floyd B.
Director of Continuing Education
Pennsylvania State University, University Park, Pennsylvania
$1,969.00 State-Federal Funds 5/9/66 to 6/30/66

*Project Type - Workshop
*Vocational Service - Home Economics
*Educational Level - College and University

The objectives of this workshop were: (1) to send a representative to the national seminar on home economics concerning occupational education, (2) to prepare materials to be sent to supervisors of home economics, home economics teachers, school principals, and home economics department heads, and (3) plan to hold a workshop at the University Park Campus.

PA16062
Business and Office Occupations - Teacher Education

Brandon, George
Head, Department of Vocational Education
Pennsylvania State University, University Park, Pennsylvania
$14,424.00 Federal-State Funds 7/1/65 to 6/30/66

*Project Type - Instructional Equipment
*Vocational Service - Business
*Educational Level - College and University

The objective of the project was to update instructional equipment for teacher preparation in business and office occupations and for administrative use. The equipment helped improve business and office instruction.

PA16063
Business Education - Research Experimental and Developmental

Henson, O. M.
Acting Chairman of Department of Business Education
Temple University, 4th Floor, Ritter Building, Park and Montgomery Avenues, Philadelphia, Pennsylvania
$12,483.10 Federal-State Funds $12,475.00 Other Funds 7/1/65 to 6/30/66

*Project Type - Instructional Equipment
*Vocational Service - Business
*Educational Level - College and University

The objective of this project was to update equipment. The equipment secured was calculators, typewriters, and dictating and transcribing machines. The equipment helped instruct undergraduates and graduates on the most up-to-date office materials.

PA16066
Data Processing and Vocational-Technical High Schools in Pennsylvania

Folk, Elliot
Executive Director
State Public School Building Authority, 101 South 25th Street, Harrisburg, Pennsylvania
$3,000.00 Federal-State Funds $3,000.00 Local Funds 7/14/65 to 6/30/66

*Project Type - Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objective of this survey report was to prepare a brochure to assist local school officials in Pennsylvania to determine equipment needed for instruction in the data processing field of vocational education in area vocational-technical schools and high schools. The booklet gives the criteria and specifications for using data processing equipment in area vocational-technical high schools. The conclusion was that a further need exists to study continuous programs that would determine the future uses of computers and other equipment in vocational and other high schools.

PA16070
Area Study for Vocational Needs

Rison, Joseph J.
Director of Bethlehem Area Vocational-Technical School
240 East Elizabeth Avenue, Bethlehem, Pennsylvania
$2,250.00 Federal-State Funds $2,250.00 Other Funds 7/1/65 to 6/30/66

*Project Type - Research related
*Vocational Services - Distributive, Health, Trade & Industry
*Educational Level - High School

The objectives of the project were to update enrollment projections for the drawing area of the Area Vocational-Technical School and to translate the enrollments into vocational demands.

1966 to 1967
Projects
(17000)

PA17003
A Survey of Business Offices in Williamsport

Wurster, Clyde H. and Christian, Willard A.
Chief School Administrator and Department Head of Business Education
Williamsport Area School District, Williamsport, Pennsylvania
$250.00 Federal-State Funds $250.00 Local Funds 7/1/66 to 8/15/66

*Project Type - Survey
*Vocational Service - Business
*Educational Level - High School, Post-High School

The objectives of this survey were: (1) to find the number and type of jobs available in local businesses for high school graduates, (2) to update and coordinate the business education curricula, (3) to meet the needs of the modern world of work, (4) to discover the rate of employee turnover and employment trends, and (5) to discover the requirements and duties of the various positions. The data was obtained by visiting twenty-two businesses and interviewing the employers and employes, banks, insurance officers, real estate offices, professional offices, government offices, transportation companies, communicates, and public utilities. The data included duties of employers, required skills and knowledge, personnel policies, salaries, percentage of vacancies during the year, and noted deficiencies (e.g. poor spelling or poor grammar). The survey concluded that a definite change was needed to update the Business Department of the Williamsport Area School District to meet the requirements of the business world. Interviews with employers and employees provided valuable suggestions for improving the curriculum. A follow-up study of the high school graduates was initiated as part of the new curriculum.

PA17004
Observation of Business Applications by Secondary School Business Teachers in Selected Firms in Bucks County

Beck, James F.
Coordinator
Bucks County School Board, Bucks County, Doylestown, Pennsylvania
$650.00 Federal-State Funds 8/15/66 to 8/19/66

*Project Type - Teacher training (workshop)
*Vocational Service - Business
*Educational Level - High School

The objectives of this workshop were: (1) to improve the quality of secondary school vocational business education and (2) to provide an opportunity for teachers of business education to observe up-to-date business applications of the type their students would encounter upon graduation. This workshop was innovative in that it provided an opportunity for business education teachers to observe business applications on a short-term basis in selected industries of Bucks County. The workshop included a teacher evaluation of each area visited. Follow-up studies continued during the school year. The results were used to help plan future county workshops.

PA17014
Overhead Projection Workshop

Brandon, G. L.
Department of Vocational Education
Pennsylvania State University, University Park, Pennsylvania
$2,223.00 Federal-State Funds 8/29/66 to 9/2/66

*Project Type - Workshop, Pilot
*Vocational Services - Trade and Industry
*Educational Level - College and University

The objective of this workshop was to provide specific instructions and experiences in the construction of transparencies and the operation of the overhead projector. Twenty technical and industrial teachers attended the workshop. The activities included lectures, demonstrations, operation of the overhead projector, and the construction of transparencies. The workshop concluded that the overhead projector is a dynamic teaching aid.

PA17021
Revision of Bulletin #380, Department of Public Instruction

Steadman, Charles W.
Associate Director of Distributive Education
University of Pittsburgh, 2630 Cathedral of Learning, Pittsburgh, Pennsylvania
$8,610.72 Federal-State Funds $2,580.00 Other Funds 11/12/66 to 4/14/67

*Project Type - Research related
*Vocational Service - Distributive
*Educational Level - College and University

The objectives of the project were to revise Bulletin #380 which serves as a teaching aid for teacher-coordinators of distributive education and to serve as an instrument for the promotion of distributive education in the public schools of the Commonwealth of Pennsylvania. The result of the project was a published booklet which is the property of the Department of Public Instruction.

PA17024
Work-Study Supervisor

White, T. F.
Supervising Principal
Burrell School District, Lower Burrell, Pennsylvania
$1,560.00 Federal-State Funds 7/1/66 to 6/30/67

*Project Type - Developmental
*Vocational Service - Business
*Educational Level - High School

The objective of the program was to obtain a supervisor for the work-study program. The supervisor worked on weekends, after school, and during vacation days. The supervisor observed and guided fifty students in the classroom and on the job.

PA17029

Developmental Proposal for Vocational Teacher and Counselor Reorientation

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational, and Technical Education
Pittsburgh School District, 314 South Bellefield Avenue, Pittsburgh,
Pennsylvania
$87,868.00 Federal-State Funds $25,285.00 Local Funds 7/1/66 to 6/30/67

*Project Type - Teacher training
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of this training project were: (1) to reinforce the college prepared industrial arts, business, and home economics teacher with work experience in the trade or program to be taught, (2) to update the certified vocational or technical teacher with the knowledge of current industrial standards, procedures, and equipment, (3) to aid all instructors in keeping in step with new methods in the teaching profession, and (4) to give the guidance counselor a background in work opportunities for young people. The procedures included field trips, workshops, seminars, and non-credit college and university programs. The conclusion of the project was that this program did improve the teacher's knowledge of innovative techniques and materials in vocational education.

PA17032

Pittsburgh Health Training Center

Kishkunas, Louis J.
Director
Pittsburgh Board of Public Education, 341 South Bellefield Avenue,
—Pittsburgh, Pennsylvania
$95,920.00 Federal-State Funds 7/1/66 to 6/30/67

*Project Type - Teacher training in Instructional Equipment
*Vocational Service - Business
*Educational Level - High School

The objective of the project was to purchase materials needed to provide in-service training for 30 business teachers in the fundamentals of data processing. The result of this project was the updating of the certified vocational or technical teachers with the knowledge of current industrial standards, procedures, and equipment.

PA17034
Work-Study Supervision

Stoudt, Henry J.
Administrative Assistant
Huntingdon Area School District, Huntingdon, Pennsylvania
$2,995.00 Federal-State Funds $6,988.00 Local Funds 7/1/66 to 6/30/67

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Home Economics
*Educational Level - High School

The objective of this program was to obtain a supervisor for a work-study program. The supervisor was a full-time employee and worked with 15 students in the work-study program,

PA17040
Work-Study Program Supervisor

Kowash, Robert J.
Director of the Project
Hemphill Area School District, Greensburg, Pennsylvania
$600.00 Federal-State Funds 9/29/66 to 6/2/67

*Project Type - Training (additional course)
*Vocational Services - Agriculture, Business, Home Economics, Trade & Industry
*Educational Level - High School

The objective of the project was to improve instructional services. The program served 30 vocational students.

PA17045
Vocational Work-Study Program

Heslep, Thomas R.
Superintendent of Schools
Altoona Area School District, Altoona, Pennsylvania
$8,460.00 Federal-State Funds 10/3/66 to 6/30/67

*Project Type - Developmental
*Vocational Services - Business, Home Economics, Trade & Industry
*Educational Level - High School

The objective of this project was to obtain a full-time supervisor of the work-study program. The supervisor was to improve and coordinate the vocational program.

PA17051
A Comparison of the Typing Competencies Developed by Teaching Beginning Typing, Using Electric Typewriters with the Competencies Developed on Manual Typewriters

Numan, Desmond J.
Administrative Assistant to the Superintendent
Allentown City School District, 31 South Penn Street, Allentown, Pennsylvania
$14,580.00 Federal-State Funds $24,934.50 Other Funds 9/1/66 to 6/30/67

*Project Type - Research related
*Vocational Service - Business
*Educational Level - High School

The objectives of this project were: (1) to conduct studies in the value of using large group instruction in teaching Typing I and (2) to compare the results of giving beginning typing instruction on electric and manual typewriters. The procedure was to involve four classes in the experiment. Twenty-five students were selected for the experimental and control groups. Two separate experiments were actually carried on during the project. Two classes were compared on the basis of regular class size instruction as opposed to large group instruction in the beginning typing and two other classes were compared on the basis of instruction on manual typewriters as opposed to instruction on electric typewriters in beginning typing. The conclusions were: (1) that large group instruction in beginning typing does not have significant effect on the achievement level of the class, (2) that average scores achieved by the classes involved in the use of electric typewriters did not significantly increase the typing proficiency of students taking beginning typing, (3) that school districts should study all aspects concerning the use of electric typewriters for beginning classes in typing before introducing them, (4) that local conditions must be dealt with on an individual basis, and (5) that school districts should study new approaches to all aspects of business education and adopt an experimental approach to new possibilities in the field.

PA17054
Employing Guidance Counselors for County Operated Programs for Slow Learners

Cambria County Board of School Directors
Court House Annex, Ebensburg, Pennsylvania
$18,165.00 Federal-State Funds $6,000.00 Local Funds 9/1/66 to 6/30/67

*Project Type - Pilot
*Vocational Service - Guidance
*Educational Level - Post-High School

The objective of this pilot program was to provide an educational program that aims to make educable mentally retarded pupils self-supporting and contributing members of society. The procedure was to train eleventh and twelfth grade special education boys. The population included 95 boys. The project design consisted of one counselor and one itinerant counselor. The results of the program continued to provide vocational guidance and individual counseling services in a specific occupational training program and in county-operated secondary special classes for educable.

PA17055
County Operated Guidance Program for Slow Learners

Coulson, M. Francis
County Superintendent of Schools
Adams County Schools, Gettysburg, Pennsylvania
$19,000.00 Federal-State Funds $51,643.00 Other Funds 7/1/66 to 6/30/67

*Project Type - Research related
*Vocational Service - Guidance
*Educational Level - High School

The objective of this project was to provide vocational guidance and individual counseling in all secondary school programs for slow learners. The population included 78 boys and 48 girls. Sixty-one students were 16 years of age or over with low I.Q.'s. The school work program was divided into a three-year curriculum. Phase I was devoted to an intensive study of jobs and job opportunities in the community for slow learners. Phase II involved a school-work program in which the student was employed part-time and participated in supplemental classwork the remainder of the time. Phase III was the identification of Phase II with no job experiences involved. The conclusions indicated: (1) that slow learners involved in this work-study program were not as apt to lose jobs because of a failure to adjust to work situations and (2) that failure in job training and employment was due primarily to a lack of supervision in initial training and/or employment periods.

PA17058
Food Marketing Technology

Miller, Thomas E.
Associate Director of Distributive Education
Pittsburgh School District, 341 Bellefield Avenue, Pittsburgh, Pennsylvania
$18,681.50 Federal-State Funds $7,717.00 Other Funds 7/1/66 to 6/30/67

*Project Type - Research related
*Vocational Service - Distributive
*Educational Level - High School

The objective of this project was to train capable non-college-bound boys in the food industry, with emphasis on skills and knowledge needed to perform in a management or mid-management position. The data collected concerned the selection and intelligence of the trainees, the regularity of their attendance, the interest maintained in their work in class and in the store, the dropouts, completions, and final placement. The teacher, the store managers, and the advisory committee evaluated the project. The results of this project were curriculum guides and a published report of the developed program. The study concluded that a further need for evaluation and sub-evaluation will be a continuing process and will involve analyzing the testing program and comparing yearly data.

PA17061
Workshop for Secondary Home Economics Teachers

Stooksburg, Katherine A. and Goldburg, Stella R.
Assistant Professor of Child Development
Pennsylvania State University, University Park, Pennsylvania
$4,610.00 Federal-State Funds $1,612.00 Local Funds 7/1/66 to 6/30/67

*Project Type - Workshop
*Vocational Service - Home Economics
*Educational Level - College and University

The objectives of this workshop were: (1) to provide a meaningful learning experience and adequate preparation for secondary home economics teachers who wish to develop a wage earning program in child care, (2) to examine some of the basic understandings in the development of the advantaged and disadvantaged pre-school child, (3) to review basic principles of adolescent development which have value in preparing the high school girl for a wage earning occupation, (4) to acquaint high school teachers with the many aspects of a child care curriculum which is structured to meet the needs for employment in child care, and (5) to identify some of the teaching techniques and procedures which have value in strengthening the guidance and supervision of pre-school children. The workshop was for secondary home economics teachers and carried out as a Continuing Education conference. The project concluded that there is increased emphasis at the secondary level on preparing students for gainful employment in the area of child care and that the participants considered actual participation in the laboratory nursery school to be a significant segment of the workshop.

PA17063
Automated Data Processing in the Public High Schools of Pennsylvania

Davis, Frank S.
Instructor of Data Processing
Bloomsburg State College, East Main and Penn Streets, Bloomsburg, Pennsylvania
$460.00 Federal-State Funds $462.50 Other Funds 10/1/66 to 6/31/67

*Project Type - Research related
*Vocational Service - Business
*Educational Level - High School

The objectives of this project were: (1) to secure information on what types of automated data processing equipment is being used by public schools of Pennsylvania, (2) to secure course curriculums offered by the public schools, and (3) to find out what teacher training institutes are needed in Pennsylvania to update automated data processing. Survey data was derived from information collected from mailed questionnaires. The chief school administrator of each school district in Pennsylvania was asked to complete the questionnaire and include a critical evaluation.

PA17065
Work Study

Potter, Dr. William M.
Superintendent
Wilkinsburg Borough School District, 747 Wallace Avenue, Pittsburgh,
Pennsylvania
$16,200.00 Federal-State Funds 10/3/66 to 6/30/67

*Project Type - Workshop
*Vocational Services - Business, Distributive, Home Economics, Trade & Industry
*Educational Level - High School

The objective of this project was to supply supervisory salaries in Distributive Education. The results of the study listed $5,000 for one equivalent full-time supervisor which was used to reimburse four different supervisors responsible for the work-study program.

PA17069
Business Education

Kurtzman, David H.
Chief School Administrator
University of Pittsburgh, 3501 Cathedral of Learning, Pittsburgh,
Pennsylvania
$25,148.25 Federal-State Funds $28,000.00 Other Funds 9/1/66 to 6/30/67

*Project Type - Instructional Equipment
*Vocational Service - Business
*Educational Level - High School

The objective of this project was to purchase modern equipment comparable to that being used in business and in schools in the Pittsburgh area. The equipment was used primarily in the office machines and office practice courses, but was immeasurably helpful in methods courses, in content course and in the data processing course.

PA17072
Work-Study Program

Burkman, Oscar C.
Supervising Principal
Juniata Valley School District, R.D. #1, Alexandria, Pennsylvania
$120.00 Federal-State Funds $1,164.00 Other Funds 11/1/66 to 6/30/66

*Project Type - Developmental
*Vocational Services- Agriculture, Business, Home Economics
*Educational Level - High School

The objective of this project was to obtain a supervisor after school and weekends. The supervisor was to direct a project which involved five students.

PA17073
Work Study

Miller, Dr. Norman
Superintendent
Tyrone School District, Tyrone, Pennsylvania
$72.00 Federal-State Funds $528.00 Other Funds 11/1/66 to 6/30/67

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry

The objective of this project was to obtain a supervisor for the project. Twelve students were involved in the program.

PA17080
Vocational Education Department

Scott, C. P.
Director of Vocational Teacher Education
University of Pittsburgh, Cathedral of Learning, Pittsburgh, Pennsylvania
$4,265.00 Federal-State Funds 1/1/67 to 6/30/67

*Project Type - Instructional Equipment
*Vocational Service - Trade & Industry
*Educational Level - College and University

The objective of this project was to update the instructional equipment for the teacher education program and the coordination program on IBM copy machines. The equipment obtained was a Norelco dictating and transcribing machine, portable recorders, and a calculator.

PA17081
Clerical Practice Office Machine

Heiges, Dr. Ralph E.
President
Shippensburg State College, Shippensburg, Pennsylvania
$1,350.00 Federal-State Funds $5,960.00 Other Funds   10/1/66 to 6/30/67

*Project Type - Instructional Equipment
*Vocational Service - Business
*Educational Level - High School

The objective of this project was to purchase additional office machines to enhance the instructional program for vocational business education. The equipment was used to instruct future teachers, who in turn taught youngsters in their respective schools.

PA17082
Laboratory Use of Electrical, Mechanical and Electronic Calculators in Offices

Heiges, Dr. Ralph E.
President
Shippensburg State College, Shippensburg, Pennsylvania
$80.780.00 Federal-State Funds $81,280.00 Other Funds   1/1/67 to 6/30/67

*Project Type - Curriculum Development, Instructional Equipment
*Vocational Service - Business
*Educational Level - College and University

The objective of this project was to upgrade the computer technology and computational equipment in the Business Education Department. The conclusions of the project were: (1) that computer equipment purchases did upgrade the curriculum, and (2) that office practice and accounting students were given continuous laboratory experiences on machines from the simplier electric-mechanical calculators to the more rapid and flexible electronic calculators.

PA17086
Occupational Preparation

Shields, Dr. Ferdinand K.
Superintendent
Cambria County Schools, Ebensburg, Pennsylvania
$7,549.00 Federal-State Funds $58,815.00 Other Funds 6/16/66 to 6/30/67

*Project Type - Research related
*Educational Field - Special Education
*Educational Level - High School

The objectives of this project were: (1) to develop an educational program for the educable mentally retarded pupil (ages 16 to 19 years), (2) to develop practical occupational skills prior to leaving school, and (3) to make them self-supporting and contributing members of society. The results of the project were: (1) that the curriculum was problem-centered and "academic" subjects were correlated with specific occupational problems, (2) that social skills, social studies, science, and driver education were taught by the academic teachers, (3) that the guidance counselor located the jobs and continued on-the-job supervision and communication, and (4) that all seniors were referred to the Bureau of Vocational Rehabilitation as additional insurance that they would be given an opportunity for job placement and further training. The study concluded that a need exists for the establishment of a permanent program within the school.

PA17089
Work-Study Program

Schoonover, Dr. Kenneth
Superintendent
Northern Tioga School District, Westfield, Pennsylvania
$420.00 Federal-State Funds 1/2/67 to 6/30/67

*Project Type - Research related
*Vocational Services - Agriculture, Business, Home Economics, Trade & Industry
*Educational Level - High School

The objective of this project was to provide gainful employment of an educational nature to eligible students enrolled in vocational programs. This on-the-job experience better equipped students for gainful employment.

PA17090
Development of Handbook for the Teacher-Coordinators of Distributive Education

Anderson, Dr. Paul and Closky, David
President of Temple University and State Coordinator
Temple University, College of Education, Philadelphia, Pennsylvania
$9,838.00 Federal-State Funds $5,994.00 Other Funds 2/6/67 to 6/30/67

*Project Type - Curriculum Development
*Vocational Service - Distributive
*Educational Level - High School

The objective of this project was to develop a handbook for the teacher-coordinators of distributive education. Six teacher-coordinators of distributive education developed the necessary chapters of the handbook under the direction of Mr. R. Bergman of the Distributive Education Department of Temple University. The booklet includes information and forms to organize, promote, and operate a complete distributive education program. The result of the project is a handbook entitled "Distributive Education Handbook for Teacher-Coordinators".

PA17095
Employment Opportunity and Demand Survey

Smith, Clinton T.
Superintendent
Susquehanna County Schools, Montrose, Pennsylvania
$750.00 Federal-State Funds $750.00 Other Funds 3/1/67 to 5/1/67

*Project Type - Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry

The objectives of this project were to acquire and to interpret data concerning employment opportunities for Susquehanna County residents in order to determine the feasibility of expanding vocational educational opportunities. A list of 60 "Dictionary of Occupational Titles" classified jobs was prepared as a guideline. These classifications were given to large employers, such as, I.B.M., General Electric, Link Aviation, Bendix, and R.C.A., to ascertain the present and future demands of work. Data was also collected about smaller employers by mailing questionnaires, visiting the Chamber of Commerce, and the United State Employment Offices. This data determined the feasibility of vocational education demands. The results of the study were a report on the occupational and vocational demands in the Susquehanna County labor market and the occupational density of the labor force of 1967 and projections to 1971.

PA17096
Pilot Program in Vocational Education

Ulrich, Foster G.
Superintendent
Lebanon County Schools, 400 South 8th Street, Lebanon, Pennsylvania
$8,140.00 Federal-State Funds $202,485.00 Other Funds 7/1/66 to 6/30/67

*Project Type - Developmental
*Vocational Service - Guidance
*Educational Level - High School

The major objectives of this project were: (1) to acquaint the student with the local job opportunities, and (2) to acquaint the students with the nature and the requirements of various jobs. The procedure used to meet these objectives was the planning of a comprehensive curriculum concerning all aspects of jobs and job opportunities. The project concluded that the curriculum developed and guidance methods developed were successful in educating students' job knowledge in the world of work.

1965 to 1967
Projects
(16000–17000)

PA16020-PA17023
Supervised Food Service Worker

Mitchell, Jeanette
Home Economics Teacher
Pleasant Valley School District, Brodheadsville, Pennsylvania
$12,299.79 Federal-State Funds 5/14/65 to 6/30/67

*Project Type - Curriculum Development, Experimental
*Vocational Service - Home Economics
*Educational Level - High School

The objectives of the project were: (1) to use the Department of Public Instruction's Curriculum Resources Material developed to train the Food Service Worker, and (2) to evaluate the learning experiences and teaching techniques developed for possible curriculum revision. The Food Service Program was operated in conjunction with facilities of the cafeteria, the Home Economics Department, and the Food Service Industries of the Pocono Mountain resort area. The curriculum provided a basic program in Home Economics with additional learning experiences. These experiences were pupil-teacher planning, class discussion, observation of the food service industries, demonstrations, laboratory experiences, visual aids, problem solving, buzzing, field trips, interviewing, and resource persons. The results of the study proved that the effect of the project was significant. The Stroudsburg Office, Bureau of Employment Security, had estimated that 50 percent of all the openings processed through their office were related to food service. The office listed 3,300 job openings and 2,194 of these openings were filled. One thousand three hundred twenty-six persons were placed by the offic and 868 persons were placed by surrounding areas. The project decreased migration of workers to the area and stabilized employment of local high school graduates.

PA16027-PA17053
Pilot Program in Vocational Education

Dunlap, R. L.
Assistant Superintendent
Lancaster County Schools, Lancaster, Pennsylvania
$22,600.00 Federal-State Funds $203,415.38 Other Funds 7/1/65 to 6/30/67

*Project Type - Research related
*Vocational Service - Guidance
*Educational Level - High School

The objectives of this project were: (1) to provide a guidance program that will bridge the gap between the school, the occupational training, and the employment for under-achievers and slow-learners in junior-senior high schools of Lancaster County, (2) to improve the educational program and the holding power of the school for these pupils, and (3) to involve the community in providing a laboratory for training. The population of under-achievers and slow-learners consisted of 27 secondary classes with an enrollment of 570 pupils with I.Q.'s ranging from 50-85. The counselor acted as a liaison between school, industry, and business and as an interpreter of labor laws. The result of this project was that it developed innovative concepts and enriched basic scholastic skills of slow learners and under-achievers through classroom experience and the community laboratory to meet the needs of the world of work. The summary report included evaluative standards, curriculum outlines, work experience charts, a list of used and eligible training stations in the area, and the prediction of holding power with suggested follow-up procedures.

PA16032-PA17020
Program to Develop Teachers of Steward Training

Fischer, Floyd B.
Director of Continuing Education
Pennsylvania State University, University Park, Pennsylvania
$41,713.00 Federal-State Funds 9/15/65 to 6/30/67

*Project Type - Research related
*Vocational Service - Trade & Industry
*Educational Level - College and University

The immediate objective of the project was to improve the quality and quantity of teaching services available in the field of steward training as to sustain within labor organizations a supply of competent stewards with a better understanding of their roles in contact administration. The long-range objective was to contribute to the stability of labor relations in Pennsylvania. This was to be accomplished in part through an increase in the steward's understanding of his rights and responsibilities in the agreement under which he works and through and improvement of his skills in helping to administer the agreement. The study was divided into four developmental phases. Phase I, called the "Groundbreaking", was the organizational structure of the program and the selection of personnel. Phase II, included a three day institute given by the Department of Labor Education for 25 trainees. Phase III was called "Consolidation and/or Further Groundbreaking". This phase promoted the establishment of steward training programs involving the teacher-trainers, local labor organizations, and local school districts. Phase IV was a three-day institute for all the teacher-trainers and selected school and labor officials with whom they were working. The purposes of this institute were to assess the roles of the labor organization, the school district, and the university personnel in the project, to define the problems of their working relationships, to suggest solutions to these problems, and to recommend areas of experiment and/or research to improve the effectiveness of the steward training program. The results of the project were: (1) that the field staff, with the assistance of the educational psychologist, was responsible for the formal evaluation of the project, (2) that further evaluative and re-evaluative procedures would be the foundation for the 1967-1968 summer institute, (3) that communications between the central bodies, local unions and the teacher-trainees should be developed, (4) that future recruitment of teachers employed by unions should have union experience for successful teaching, and (5) that the education impact of the program on the participants resulted in personal growth.

PA16038-PA17038
Cooperative Work-Experience Program

Cross, Donald S.
Coordinator of Vocational-Technical Education
State College Area Schools, State College, Pennsylvania
$26,948.68 Federal-State Funds $3,072.00 Local Funds 7/1/65 to 6/30/67

*Project Type - Developmental, Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objective of the project was to provide students with the opportunity to study and learn the occupation of their choice while enrolled in high school. The program developed incorporated regular classroom activities and practical on-the-job training. The program was analyzed by comparing the students in the program with graduates of the two previous years. The evaluation proved favorable but further evaluation will be continued yearly to determine the true value of the program. The project concluded that to be successful it must be rigid but also flexible enough to compensate for day-to-day problems.

PA16064-PA17064
Business Data Processing Teacher Training

Woods, Walter C.
Superintendent
Wilkes-Barre City School District, Wilkes-Barre, Pennsylvania
$976.50 Federal-State Funds 7/1/65 to 6/30/67

*Project Type - Teacher Training
*Vocational Service - Business

The objective of this program was to train a business teacher in data processing. The I.B.M. Corporation trained the teacher.

1967 to 1968
Projects
(18000)

PA18101

Workshop for Vocational Graphic Arts Teachers

Lathrop, Dr. Robert
Director of Vocational Teacher Education
Pennsylvania State University, University Park, Pennsylvania
$1,828.00 Federal-State Funds $402.00 Local Funds 8/21/67 to 8/25/67

*Project Type - Workshop
*Vocational Service - Trade and Industry
*Educational Level - College and University

The objectives of this workshop were: (1) to develop an understanding of the new methods, principles, and process currently being used in the graphic arts areas, and (2) to develop an appreciation of the implication these new methods, principles, and processes project with regard to the improvement of curriculum. Graphic arts teachers were invited to attend the five-day workshop. The workshop received a good evaluation by the participants and proved to successfully meet the objectives.

1966 to 1968
Projects
(17000–18000)

PA17005-PA18005
Education for Work in Changing Times

Bair, Dr. Charles A.
Superintendent of Schools
Allegheny County School Board, 345 County Office Building, Pittsburgh,
Pennsylvania
$97,030.00 State-Federal Funds $99,355.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Research related, Curriculum Development
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health,
Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical School

The objectives of this project were: (1) to develop and strengthen existing vocational oriented programs, (2) to develop and strengthen vocational guidance and counseling, (3) to motivate young people to graduate from high school, and (4) to provide realistic and flexible experiences to meet the student's direction, needs, and job securing skills. The project was divided into three phases: an Exploratory Phase, a Try-Out Phase, and a Specialized Phase. The Exploratory Phase included subjects which gave the students a preview of actual work that occurs beyond the school. The Try-Out Phase was offered to ninth and tenth grade students. The Try-Out Phase was programs which gave pupils an opportunity to gain conceptual and practical experiences in depth. The Specialized Phase concentrated on development of marketable skills. This phase was taken in the two years preceding graduation. The result of this project was that it provided an innovative curricula and a means for making available needed educational opportunities to youth in sparcely populated and poverty regions of the nation.

PA17006-PA18006
Further Education for Vocational Guidance Counselors

Wellington, A. M.
Professor of Counselor Education
Pennsylvania State University, University Park, Pennsylvania
$164,044.00 Federal-State Funds $37,570.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Research related, Developmental
*Vocational Service - Guidance
*Educational Level - College and University

The objectives of the project were: (1) to improve understanding of the individual through a study of vocational development and student inventory methods, including vocational aptitude and interest measurement, (2) to improve use of occupational information and greater understanding of these areas by study and field trips into the world of work and vocational education, (3) to improve ability to integrate the above into meaningful counseling by studying video taped practice interviews, and (4) to achieve, ultimately, greater attention and improved service to all vocationally oriented youth in all Pennsylvania schools. The subjects were eligible when they received attestation by their administrator. The program concluded that it met the objectives and has helped to improve the vocational guidance services in Pennsylvania.

PA17016-PA18016
Pre-Entry Orientation for Cosmetology

Birth, Catherine W. and Ayre, James T.
Project Supervisor and Chief School Administrator
Wyoming Area School District, 100 Montgomery Avenue, West Pittston, Pennsylvania
$14,030.75 Federal-State Funds $3,500.00 Local Funds 7/1/66 to 6/30/68

*Project Type - Curriculum Development, Research related
*Vocational Service - Home Economics
*Educational Level - Area Vocational-Technical School

The objectives of this project were: (1) to prepare curriculum resource material for an orientation course which will provide suitable pre-entry experiences of a generalized nature for students to enroll in the cosmetology course, (2) to implement this curriculum over a two-year period, (3) to conduct a comprehensive testing program which will be administered, interpreted, and evaluated by competent guidance personnel, (4) to equalize educational opportunity for all students who aspire to enter the cosmetology course, and (5) to publish a complete report of the study. The first year of the study was used for planning, teacher orientation, and guidance work with students. In the second year, the curriculum developed was implemented by five constructional periods a week concerning the world of work. The study concluded that the curriculum was a success and that periodic evaluation is needed to meet the needs of the changing world of work.

PA17019-PA18019
Vocational Agriculture

Bartholomew, Ralph, Chattin, Donald J., and Rudder, Wilber, T. H.
Project Directors
School District of Philadelphia, 21st Street at Parkway, Philadelphia,
Pennsylvania
$157,003.72 Federal-State Funds $321,100.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Pilot
*Vocational Service - Agriculture
*Educational Level - Post High School

The objectives for this project were: (1) to provide basic education for pupils who plan careers in agriculture and related fields requiring post-high school and college training, (2) to provide vocational education to pupils planning for or engaged in careers in off-farm agricultural sciences and human relations, (3) to provide vocational education in agriculture to pupils planning for or engaged in careers in farming and farm management, and (4) to provide exploratory opportunities of an educational and vocational nature, including guidance in the general area of vocational agriculture. In the planning of each course of study, people from that particular field of agriculture were called upon to assist as a craft committee in planning the course offering. The particular fields were Animal Technology, Livestock and Meat Technology, and Turf Technology. The project concluded that the objectives were fulfilled and the pilot project was a success.

PA17022-PA18022
Non-Graded Vocational-Technical School

Dutt, Karl
Project Coordinator
Vocational-Technical School, Eastern Northampton County, Easton, Pennsylvania
$24,065.00 Federal-State Funds $35,300.00 Local Funds 7/1/66 to 6/30/68

*Project Type - Developmental, Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical School

The objectives of this project were: (1) to determine how ninth grade boys select specific vocational-technical programs, (2) to determine whether the use of the General Aptitude Test Battery is of "significant value" in assisting ninth grade boys to select a vocational-technical program, (3) to determine whether student performance in vocational-technical courses is significantly related to ninth grade indices of vocational maturity, and (4) to investigate the cluster concept as a potential vehicle for implementing the recommendations resulting from the study. The procedures included: (1) a number of descriptive studies conducted in search of information concerning the vocational readiness of ninth grade boys, (2) a 2 x 3 factorial design and the use of analysis of various studying effects of the G.A.J.B., (3) descriptive cross-sectional studies, and (4) a study of related research to provide additional insights. The major conclusion was that proposed curriculum services would provide broad exploratory opportunities in the junior high school years, narrowed exploration during the first-year cluster program and specialized preparation during the remaining high school and post high school years.

PA17028-PA18028
Distributive Education Pilot Program

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational and Technical Education
Pittsburgh School District, 341 South Bellefield Avenue, Pittsburgh,
Pennsylvania
$106,623.00 Federal-State Funds $11,374.00 Local Funds 7/1/66 to 6/30/68

*Project Type - Pilot, Developmental
*Vocational Service - Distributive
*Educational Level - High School

The major objectives of this project were: (1) to develop an instructional program or a specific course that will contribute toward the vocational student's personal development and vocational maturity, (2) to provide the involved students with an opportunity to develop skills in dealing with people in the marketing of goods and services, (3) to increase the student's awareness of the field of distribution and its applications to the vocational program in which the student is enrolled, and (4) to determine the validity of the program of studies for specific skill-centered programs. Twelve skill-centered areas were identified. The program was presented in the following areas: Appliance, Repair, Auto Mechanics, Commercial Baking, Cosmetology, Electric Wiring, Food Science, Horticulture, Laundry-Pressing, Dry-Cleaning, Merchandising-Clothing, Radio and Television Repair, Service Station Management and Automobile Repair, and Shoe Repair. The major conclusion of both teachers and employers indicated that there is a need for additional preparation for students toward the goal of vocational maturity especially in the areas of personal development and human relationships. This project, although a move in this direction, did not completely reach this goal.

PA17030-PA18030
Design and Test of a Model Work-Experience Program in a Great City Setting

Kishkunas, Louis J.
Chief School Administrator
Pittsburgh Board of Education, 341 South Bellefield Avenue, Pittsburgh,
Pennsylvania
$181,638.00 Federal-State Funds $153,513.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Research related, Curriculum Development
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health,
Home Economics, Trade & Industry
*Educational Level - High School

The major objectives of this project were: (1) to develop a philosophy in regard to the importance and feasibility of a work-study program in a city, (2) to develop a basis for the assignment of coordinators by occupations, schools, and geographic areas, (3) to develop an administrative and functional relationship between a work-experience program and the graduate job placement function, and (4) to develop criteria including measurement of skill development and determination of competency necessary for placement in a work-experience program. This pilot program was made up of a Post High School Program, a Diversified Occupations Program, an Alienated Youth Project, and a Follow-Up Study. The evaluation of the project was a constant activity. This evaluative criteria developed was the instrument used for evaluation The results of the data obtained indicated that on-going programs in skill-centered education received, in isolation from cooperative experience, does [redacted]ndividuals, who are at the lower end of the continuum in adjustment, motivation, academic proficiency, and maturity. The experiences gained through this proposal suggests a functional scheme which can be used in other urban centers in order to meet the needs of a broad spectrum of youth in skill-centered education.

PA17035-PA18035
Study to Determine Feasibility of Using Master Teacher Technicians in the Teaching of Shorthand and Typewriting

Ferencz, Dorothy
Business Education Teacher
Harrisburg Area Community College, Harrisburg, Pennsylvania
$19,216.20 Federal-State Funds $159,842.53 Other Funds 7/1/66 to 6/30/68

*Project Type - Research related, Pilot
*Vocational Service - Business
*Educational Level - Community College

The objective of this pilot project was to determine whether it would be desirable to have a master teacher conduct more than one class in shorthand and typewriting at the same time by using instructional assistants, magnetic tape instruction and dictation, transparencies, and techistoscope slides. The subjects involved in the program were 55 females. The experimental and control groups were matched on the basis of A.C.T. composite scores. Both groups were taught in exactly the same manner with the exception of actual classroom supervision. The control group was supervised entirely by the instructional assistant with periodic assistance from the master teacher. The major result of the study showed that there was no significant difference between the performance of the experimental and control groups. The project concluded that other studies should be completed to follow-up and validate this study.

PA17039-PA18039
Turfgrass Management

Rhodes, Kenneth B.
Project Coordinator
Montgomery County Schools, Norristown, Pennsylvania
$62,550.03 Federal-State Funds 7/1/66 to 6/30/67

*Project Type - Curriculum Development
*Vocational Service - Agriculture
*Educational Level - Area Vocational-Technical High School

The objectives of this project were: (1) to determine the possibility of teaching a specialized course in turf management in an area vocational-technical school, (2) to determine the type of specialized training ground that is needed for training young men for employment in the turf industry, (3) to determine the facilities and educational equipment that are needed to teach turf management, and (4) to develop a curriculum, course materials, and reference list in turf management. The curriculum was determined by working closely with the turf industry and evaluating how well it meets the needs of students. There were three golf greens and an experimental turf plow which were provided to simulate the cultural practices used by the turf industry. A mechanics program to teach proper selection, operation, maintenance, and repair of turf equipment was provided to help make the student employable through the entire year. The project proved to be successful and a valuable addition to the vocational-technical schools' curriculum.

PA17070-PA18070
Proposal for the Study of Post High School Education Needs in Bucks County

Parker, John K. and Brewin, Charles E.
Director and Coordinator of the Study
Bucks County Public Schools, Administration Building, Doylestown, Pennsylvania
$59,000.00 Federal-State Funds $33,707.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Curriculum Development
*Vocational Services - Agriculture, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Post High School

The objectives of this study were: (1) to estimate the present and future needs of the residents of Bucks County for post high school education, (2) to estimate the ability of post high school institutions now serving the county residents to meet anticipated future needs for post high school education, (3) to determine what factors restrict the opportunities of county residents in obtaining needed post high school education, and (4) to identify courses of action available to educational, governmental agencies, within and outside Bucks County, to satisfy present and future post high school education needs of Bucks County residents. The study was divided into three phases. The first phase was devoted to the development of a service of detailed research questions and a work program and schedule to gather information to answer these questions. The second phase was concerned with gathering the needed information to answer the research questions. The third phase was devoted to developing a recommended plan of action that satisfied the largest number of high priority needs identified in the second phase of the study. The study concluded that the needs are not being met of a large and growing number of Bucks County residents who are endeavoring to obtain post high school education. The study made many recommendations, and action needed to meet these needs.

PA17075-PA18075
Occupational Orientation

McCoy, John E.
Superintendent
Ligonier Valley School District, Church and Market Streets, Ligonier, Pennsylvania
$22,515.70 Federal-State Funds $5,125.90 Other Funds 7/1/66 to 6/30/68

*Project Type - Research related, Curriculum Development
*Vocational Service - Agriculture
*Educational Level - High School

The objectives of this project were to prepare students adequately with skills and knowledges compatible with their abilities and needs and to reduce the dropout rate. The program was divided into four sections: Business and Industry, Plant Science, Shop Skills, and Miscellaneous. The subjects involved in the program were students who demonstrated lower than average academic aptitudes and abilities. The program sections were presented both by formal classroom experience and practical work experience. A maximum use of resources in the community such as speakers, field trips, and job interviews were utilized. The program will be evaluated by constant follow-up surveys. The results of the study showed that the program became an important part of the high school curriculum and that the job placement and on-the-job training must be explored more fully.

PA17077-PA18077
1967 Data Processing Workshop

Schrag, Adele F.
Coordinator of Data Processing Workshop
Temple University, Ritter Hall, 488 Montgomery and Park Avenues, Philadelphia, Pennsylvania
$4,507.00 Federal-State Funds $562.00 Local Funds 11/15/66 to 1/31/66

*Project Type - Workshop
*Vocational Service - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - College and University

The objective of this workshop was to analyze all facets of data processing -- current and projected -- the publicly supported senior high schools, technical schools, and community colleges in order to tailor teacher education programs in data processing to the needs of the Commonwealth's schools. The workshop was divided into two phases. Phase one of the problem was concerned with procuring basic data from the publicly supported schools. Phase two involved a detailed study of curriculums of the various federally funded data processing teacher programs. The workshop concluded that the investigation and study of this data was an aid to the participants in the classroom.

PA17084-PA18084
Job Training and Safety Program for the Rural Electric Association of Pennsylvania

Horn, Robert S.
Project Director
Harrisburg Area Community College, Harrisburg, Pennsylvania
$21,903.31 Federal-State Funds $18,825.50 Other Funds 7/1/66 to 6/30/68

*Project Type - Developmental
*Vocational Service - Trade & Industry
*Educational Level - Community College

The objectives of this project were: (1) to develop skills of accident rescue and first aid, unique to the electric light and power industry, among the operating personnel, (2) to develop skills of spotting hazards, identifying corrective measures, and instilling accident consciousness among workers, (3) to provide equipment and job information to provide more efficient workers, (4) to assist supervision in upgrading the manipulative and planning skills of the craftsman, (5) to encourage and supervise a program of inspection for the control of mechanical hazards, and (6) to keep management advised of the programs. The specific courses developed were Defensive Driving, Heart-Lung Resuscitation, Pole Top Rescue and Safety Practices in Day-to-Day Work. The program received the acceptance of line personnel. It could not be stated that a significant reduction of accidents occurred because there was no previous information concerning the number of accidents. However, not one fatality has occurred among the Pennsylvania Rural Electric Cooperatives. The study also concluded that more work should be done to meet the needs of the workers.

PA17098-PA18098
Developmental Proposal for Staff Development

Bair, C. A.
Superintendent
Allegheny County School Board, 345 County Office Building, Pittsburgh, Pennsylvania
$117,545.00 Federal-State Funds $50,650.00 Other Funds 7/1/66 to 6/30/68

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Distributive, Health, Trade & Industry
*Educational Level - Area Vocational-Technical High School

The objectives of this project were: (1) to upgrade and update the present range of curriculum to include the newest technological advances, (2) to prepare teachers to teach within this new range of instruction, (3) to assist future students in preparation, placement, and adjustment in the contemporary world, and (4) to fulfill the need of industry and business with well trained people for the general betterment of the community. The procedures included the naming of a General Advisory Committee and individual advisory committees. These committees were to review and organize the new courses. The staff members developed course outlines and correlated it with equipment and shop layout. The courses were evaluated by: (1) type of training, (2) practical value to the laboratory or shop instruction, (3) depth and scope of the program, and (4) equipment used in training and its value to the classroom. The project concluded that these courses will aid other districts, new instructors, and future students.

1965 to 1968
Projects
(16000–17000–18000)

PA16001-PA17001-PA18001

Developing a Total Curriculum for Teaching the Service Occupations in the Proposed Penn Hills Vocational Department

Recklitis, John M.
Vocational Director
Penn Hills School District, 12200 Garland Drive, Pittsburgh, Pennsylvania
$210,900.00 Federal-State Funds $71,100.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Curriculum Development, Research related
*Vocational Services - Agriculture, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of this project were: (1) to develop a vocational department directed toward teaching occupational skills in the service fields for students whose present needs are unmet, (2) to continue the development of curricula in both vocational and academic areas that will challenge and motivate youth who have not formulated definite post high school plans, and (3) to evaluate methods, materials and the program developed. Academic teams composed of secondary school teachers in Penn Hills and University of Pittsburgh consultants in the fields of English, social studies, mathematics, and science developed a comprehensive curriculum and instructional materials to enrich and to complement the vocational program. The curriculum was organized as follows: (1) in grade nine the student will spend one period a day studying occupations in a cluster of his choice and make his choice; (2) in grade ten, he will spend two periods a day studying the occupation of his choice; (3) in grade 11, he will spend three periods a day studying his occupation; and (4) in grade 12, he will spend one-half of the day in the classroom and one-half of the day on the job. The curriculum was implemented in September of 1968. The curriculum will be re-evaluated after each year of its use.

PA16004-PA17027-PA18027
Pittsburgh Health Training Center

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational, and Technical Education
Pittsburgh Board of Public Education, 633 Ridge Avenue, Pittsburgh,
Pennsylvania
$225,800.00 Federal-State Funds $26,775.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Research related, Developmental
*Vocational Service - Health
*Educational Level - Occupational, Vocational, Technical High Schools

The major objectives of this project were: (1) to develop and introduce health occupational training in high schools, (2) to continue health-related programs for the unemployed and under-employed, (3) to develop additional retraining programs, (4) to explore the feasibility of providing institutes, seminars, and demonstrations for those employed in health occupations, (5) to counsel as a means of controlling the dropout rate for the programs at the Health Training Institute, and (6) to design classroom and laboratory layouts for the new institute building and installation of appropriate equipment. This project concluded: (1) that a unique approach to health training was demonstrated at the Health Training Institute supported by research and augmented by an instructional system of centralized staff, faculty, and facilities, (2) that a full-time counselor was a necessity, and (3) that with modifications the program could serve as a model for other school systems interested in expanding health occupation training.

PA16007-PA17007-PA18007
Diversified Occupations

Spoerllin, Harley
Coordinator
Northern York County School District, Dillsburg, Pennsylvania
$32,094.00 Federal-State Funds $6,300.00 Local Funds 7/1/65 to 6/30/68

*Project Type - Pilot
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of the pilot project were: (1) to help establish definite work habits and attitudes, (2) to become adjusted to the business world, (3) to help pupils obtain employment in the local community after completing high school, (4) to develop self-confidence and other personality traits desirable in business, (5) to help pupils to make a more intelligent choice of his occupation by providing insight into various fields, and (6) to help the community by building up a backlog of better trained people. The program consisted of classroom study and on-the-job training. The students spent one period a day with the coordinator. The students were at least 16 years of age and of senior standing. They had satisfactory grade averages and regular attendance in past years. The results of the pilot program showed: (1) that 100% of the students were employed or in college, and (2) that the program met the needs of students in preparation for coping with the competition in today's labor market.

PA16008-PA17008-PA18008
Salable Skills in Home Economics in the Comprehensive High School

Payntes, Dr. W. Robert
Superintendent of Schools
Baldwin-Whitehall School District, 4900 Curry Road, Pittsburgh, Pennsylvania
$76,423.90 Federal-State Funds $29,238.00 Local Funds 7/1/65 to 6/30/69

*Project Type - Curriculum Development, Pilot
*Vocational Services - Guidance, Home Economics
*Educational Level - High School

The objectives of this project were: (1) to conduct a follow-up study of graduates for 1965, 1966 and 1967, (2) to evaluate the existing programs, (3) to complete improvements and revisions as needed in the curriculum, (4) to incorporate new ideas into the programs, and (5) to conduct a pilot program of the record year of Health Care Services. The courses developed were Child Care I, Child Care II, Food Service I, Food Service II, by classroom methods and the follow-up study of graduates. The conclusion, thus far, is that the Salable Skills program has made a significant contribution to the education of pupils who are not contemplating advanced training.

PA16009-PA17067-PA18067
An Evaluation of Vocational Education in Pennsylvania

Kaufman, Jacob, and Lewis, Morgan
Project Directors
Pennsylvania State University, University Park, Pennsylvania
$76,921.00 Federal-State Funds $29,142.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - College and University

The objectives of this project were: (1) to determine the extent to which vocational education programs and courses have changed in recent years to meet the needs of industry and students, (2) to evaluate the cost-benefit effectiveness of the academic and vocational education programs, and (3) to obtain an evaluation of vocational education and academic programs from the point of view of the students who graduate from these curricula. The procedures followed is: (1) data from the results of the Kaufman study was analyzed, (2) reports on individuals in each of the communities of the Kaufman study were analyzed, (3) preliminary report on the basis of the Kaufman data was prepared, (4) additional information was obtained from randomly selected communities not in the Kaufman study, (5) graduates of the classes of 1960 and 1965 were sampled, (6) cost data by curricula and skill programs were obtained from Philadelphia and Pittsburgh, and (7) changes in courses and curriculum were obtained from the communities involved. The study concluded that the study will have a significant effect upon vocational education in the Commonwealth.

PA16011-PA17025-PA18025
The Development, Implementation, and Evaluation of a Pilot Program in Agriculture, Machinery, Salesmanship, Partsman, and Gasoline Tractor

Dutrou, Donald R. and Williams, William
Teachers of Vocational Agriculture
Mifflinburg School Board, Mifflinburg, Pennsylvania
$33,382.39 Federal-State Funds $5,265.00 Local Funds 7/1/65 to 6/30/68

*Project Type - Pilot
*Vocational Service - Agriculture
*Educational Level - High School

The objectives of this project were: (1) to provide the competencies needed for students seeking employment in the areas of agriculture, machinery, salesmanship, partsman, and mechanic for gasoline tractor engines, (2) to obtain necessary data to help future pilot programs in related agriculture occupations, and (3) to evaluate the program as to its effectiveness at the secondary level. The students selected were given a concentration of courses in grades 11 and 12. The courses in grade 11 were Agricultural Machinery Salesmanship and Agricultural Machinery Partsman. The couse in grade 12 was Gasoline Tractor Engine Overall. The students were involved in classroom activities, shop practices and demonstrations, field trips to local machinery dealers, and visits by consultants in the field. The program was evaluated by the students performance when employed, the percentage of students who are employed and continue their education after graduation, the number of students enrolled in the program, and the percentage of students who complete the program. The initial evaluation proved the project to be successful. Definite results will be forth coming when the program is completely evaluated.

PA16012-PA17011-PA18011
Curriculum Development for a Correlated Academic Program

Pilker, Henry
Director of Vocational Education
York County Schools, Court House, York, Pennsylvania
$29,178.25 Federal-State Funds $93,798.32 Other Funds 7/1/65 to 6/30/68

*Project Type - Curriculum Development
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical School

The objectives of this project were: (1) to investigate the degrees and depth of academic discipline necessary to perform in society and in occupations, (2) to study content common to two or more subject areas, and (3) to study and determine the most logical time and place educationally to teach the content in terms of both the shop-lab and academic subject areas of the curriculum. The procedures involved consisted of first organizing a team of teacher-consultants representing the areas of English, social studies, math, science and vocational guidance. The next procedure reviewed and evaluated the present offerings and from this a new curriculum was constructed. The curriculum was evaluated immediately and will be evaluated periodically. The major conclusion of the project was that the curriculum developed was beneficial, meaningful, and helped to improve vocational education.

PA16025-PA17010-PA18010

Project Triangle: A Home-School-Community Program for School and Vocational Success

Pitt, Donald
Project Director
West Chester Joint School System, 320 North Church Street, West Chester, Pennsylvania
$87,806.00 Federal-State Funds $39,791.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Developmental, Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School, Junior High School, Elementary School

The objectives of this project were: (1) to better utilize the present guidance staff and increase the use of new techniques, (2) to provide in-service training to develop new teaching techniques, (3) to attempt to gain closer contacts with parents, (4) to extend team teaching into the secondary school, (5) to evaluate curriculum offerings and content to provide expanded and more realistic vocational training for students, and (6) to obtain a stronger role for the school in working with other community agencies and local businesses and industries. An educational team was organized to achieve the objectives of the project. The team members included the assistant to the superintendent (program supervisor), the vocational guidance counselor in the senior high school, the school-community specialist for the junior high schools, and the school-community specialist for the elementary schools. The project concluded that the program was a complete sucess and the objectives of the project were met.

PA16028-PA17026-PA18026
Hospitality - Food Services Management

Dean, William H.
Project Director
Harrisburg Area Community College, Harrisburg, Pennsylvania
$34,470.00 Federal-State Funds $13,475.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Research related, Curriculum Development
*Vocational Service - Home Economics
*Educational Level - Community College

The objectives of this project were: (1) to provide the student with a two-year program designed to prepare middle-management personnel for the food service operations of restaurants, hotels, schools, clubs, hospitals, industrial plants, institutions, etc.; (2) to provide the student with a sequence of college courses and practical experiences to develop the skills necessary for initial employment in the food service industry; and (3) to provide the student with an understanding of their environment and develop the foundation for good citizenship through the general education courses included in the curriculum. An advisory group was formed initially. The curriculum was developed with the advice of the committee. Involved in the program were 37 full-time students. The graduates and students have been well received by industry and employers. The time has been insufficient to properly evaluate the promotional pattern of the graduates. However, the reports received from present employers were highly encouraging.

PA16033-PA17033-PA18033

The Development and Evaluation of a Pilot Computer Assisted Occupation Guidance Program

Impellitteri, Joseph T.
Project Director and Principal Investigator
Pennsylvania State University, University Park, Pennsylvania
$194,530.00 Federal-State Funds $85,080.00 Other Funds 7/1/65 to 6/30/68

*Project Type - Research related, Developmental
*Vocational Services - Guidance, Trade & Industry
*Educational Level - College and University

The objectives of this project were: (1) to provide an easily updated individualized occupational information retrieval system; (2) to develop through an essentially humanistic approach a process whereby youth could develop their own individualized frameworks of the occupational structure; and (3) to provide an experience for youth to acquire, by simulated practice, operational strategies in relating their abilities and interests to occupational opportunities. The procedure for the study involved the use of an IBM 1401 computer for exploration of occupations. A remote student terminal provides the means by which the student interacts with the system. The remote terminal is composed of a typewriter-like device, a tape recorder, and a slide projector, all controlled by the computer. The project concluded that the computer-assisted career exploration system is an effective and feasible device in assisting youth to explore occupational opportunities.

PA16036-PA17036-PA18036
Grounds and Buildings Maintenance

Cherry, Kenneth L. and Walker, Robert W.
Coordinators of Curriculum and Research in Vocational-Technical Education
Hollidaysburg Area Schools, Hollidaysburg, Pennsylvania
$32,750.00 Federal-State Funds $6,874.00 Local Funds 7/1/65 to 6/30/68

*Project Type - Curriculum Development
*Vocational Service - Agriculture
*Educational Level - High School

The objectives of this project were: (1) to develop occupationally oriented teaching plans and to select student resource unit material, (2) to implement the course of study with selected high school students, (3) to conduct a series of workshops for employed grounds and buildings maintenance personnel, (4) to place students for supervised experience, (5) to assist graduates to locate employment, and (6) to disseminate teaching plans, resource unit material and the conclusion drawn in the evaluation of the curriculum. The procedure included the selection of resource people, preparation of teaching units and resource materials, and review and evaluation of the present curriculum. The students were selected and presented the instructional program. The boys were assisted in finding local employment. Workshops were presented for adults in the area of ground and building maintenance. The major conclusions of the study were: (1) that the curriculum content is related to the grounds and buildings maintenance supervisor, and (2) that a summer placement for each student at the end of the first year provides an experience that gives the average student an insight into the role of grounds and buildings maintenance supervisors.

PA16041-PA17041-PA18041
Pilot Program in Horticulture

Olinsky, Marvin
Horticulture Instructor
Upper Bucks County Technical School, Perkasie, Pennsylvania
$53,719.00 Federal-State Funds 7/1/65 to 6/30/68

*Project Type - Pilot
*Vocational Service - Agriculture
*Educational Level - Area Vocational-Technical High School

The objectives of the pilot program were: (1) to teach skills and abilities required to enter the horticultural field, (2) to teach skills and abilities required to advance and upgrade individuals working in the horticultural industry, (3) to teach appreciation for horticulture and the horticultural industry to both entry people and those who are already working in the field, (4) to give in-service instruction to the individuals, and (5) to teach new skills and use of new equipment relative to the horticulture field. The procedures of the program consisted of instructing individuals in various phases of horticulture, turf management, and ornamental horticulture in 15 to 20 class sessions. The instructor would visit each individual at his place of employment. The instructor became the adviser for the individual concerning problems in horticulture. The pilot program concluded that the program was successful in aiding individuals to find employment and also to maintain their employment.

PA16044-PA17044-PA18044
Curriculum Development Program

Hughes, Merrill J.
Director
Delaware County Area Vocational-Technical Schools, Media, Pennsylvania
$52,890.00 Federal-State Funds $10,800.00 Local Funds 7/1/65 to 6/30/68

*Project Type - Curriculum Development
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical High School

The objectives of this project were: (1) to determine the standards and level of training required to prepare a student for entry employment in the selected occupations; (2) to develop a curriculum for each course assigned that will be specific in the skills, technical knowledge, and related information necessary for adequate training; (3) to develop ancillary material that will contribute to full realization of all course aims, and (4) to anticipate the outcome of the curriculum development will be a continual interactivity between school and industry that will keep the program abreast of technical advances. The curriculum was developed by organizing a supervisory staff, identifying materials, surveying industry, and developing a format. The program was evaluated by collecting data in the following areas: (1) present employment opportunities requiring skilled and technical training, (2) employment trend, (3) curriculum offerings and materials available in other areas. The program will be evaluated periodically.

PA16057-PA17057-PA18057
Development and Evaluation of a Curriculum for the Handicapped to Improve Their Social and Community Skills Related to Wage Earning

Gravatt, Arthur E.
Associate Professor of Family Relations
Pennsylvania State University, University Park, Pennsylvania
$44,718.00 Federal-State Funds 7/1/65 to 6/30/68

*Project Type - Developmental, Research related
*Vocational Service - Home Economics
*Educational Level - College and University

The objectives of this project were: (1) to develop materials which will increase the teacher's ability to teach such subject matter, (2) to develop materials that teachers may use with retarded and handicapped students; (3) to explore attitudes toward self and others as these are related to successful functioning in work, family, and community; (4) to increase understanding of physical and emotional changes in maturation, (5) to examine social customs regarding dating, courtship, and marriage, and (6) to examine one's own roles in community, work, the family, and child rearing. The procedures included the development of the curriculum, presenting it to the students in regular scheduled classes, and evaluating it by discussions with the students. The project was evaluated by its impact on students, staff, and curriculum. The information to date shows the program to be very successful.

1968 to 1969
Projects
(19000)

PA19003
Electro-Mechanical Technology

Schaffer, George M.
Principal
Bucks County Technical Schools, Wistar Road, Fairless Hills, Pennsylvania
$50,000.00 Federal-State Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Equipment Purchase
*Vocational Service - Trade & Industry
*Educational Level - Area Vocational-Technical High School

This project is concerned with the purchasing of instructional equipment in electro-mechanical technology needed for a pilot project. The instructor is being familiarized with the operation and maintenance of the equipment in order to be prepared to conduct a pilot program in electro-mechanical technology.

PA19004
A Coupled Educational and Work-Experience Summer Program for Disadvantaged Vocational Students

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational, and Technical Education
Pittsburgh Board of Public Education, 341 South Bellefield Avenue, Pittsburgh, Pennsylvania
$123.388.00 Federal-State Funds $72,741.00 Local Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Developmental
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical High School

The objectives of this project are: (1) to identify youth whose needs are not fulfilled by on-going vocational or work-experience programs, (2) to provide a nine-week summer program in 12 vocational fields on a shared basis with a related work experience, and (3) to evaluate the program with a follow-up study and holding power statistical study. The procedures followed included the identifying of applicants by teachers. These applicants were screened through counselors and referred to the Division of Personnel for final selection and hiring for the work phase of the project. Each applicant was graded by teachers and guidance counselors as to educational need and work experience need. Each day the student received three hours of paid work experience on a job requiring the utilization of skills learned in the vocational program. Final results and conclusions will be available at the completion of the project.

PA19014
Workshop for Vocational Teachers (Instructional Media)

Lathrop, Robert
Director of Vocational Teacher Education
Pennsylvania State University, University Park, Pennsylvania
$900.00 Federal-State Funds $2,739.00 Local Funds 7/1/68 to 7/5/68

*Project Type - Workshop
*Vocational Service - Trade & Industry
*Educational Level - College and University

The objectives of this workshop were: (1) to develop a familiarity with the development and use of various instructional media, (2) to develop materials, particularly overhead transparencies, which will be used by the participants in future teaching efforts, and (3) to develop resource persons for local vocational-industrial programs in the development and use of instructional media. The five-day workshop included lecture-demonstrations, discussions, laboratory exercises, and field trips. The workshop was formally evaluated by the supervisor and the students and showed that the workshops successfully met its objectives.

PA19024
Workshop for New Vocational Teachers

Lathrop, Robert
Director of Vocational Teacher Education
Pennsylvania State University, University Park, Pennsylvania
$400.00 Federal-State Funds $4,202.00 Local Funds 8/26/68 to 8/30/68

*Project Type - Workshop
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health,
Home Economics, Trade & Industry
*Educational Level - College and University

The objectives of this workshop were: (1) to develop an understanding and appreciation of vocational education in Pennsylvania, (2) to develop knowledges that will make the teacher more effective in his new job, (3) to develop knowledge of regulations and requirements of vocational teaching, and (4) to develop teaching skills useful to the new teacher. Participants in the five-day workship were new vocational education teachers. The workshop included presentations, discussions, and directed work sessions. The workshop concluded that the objectives were met and that it was a rewarding experience for teachers who are entering the vocational classroom for the first time.

PA19032

An Evaluation and Comparison of the Effectiveness of Various Types of Office Work-Experience Programs and Simulated Office Experience as Conducted by Selected Second Class Secondary School Business Education Departments in Southeastern Pennsylvania as Determined in Larger Offices.

Beck, James F.
Business Education Chairman
New Hope-Soleburg School District, 180 West Bridge Street, New Hope, Pennsylvania
$5,025.00 Federal-State Funds $11,625.69 Local Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Research related
*Vocational Service - Business
*Educational Level - High School

The objectives of this project are: (1) to answer whether office work experience (out of school and on-the-job) or simulated office experience (in the classroom and during the regular school day) is the superior teaming method, and (2) to determine which arrangement of office work experience is the most desirable with reference to frequency of supervisory visits and number of hours the student should spend on the job in order to maximize benefits. The procedure followed involved the student in office work experience or simulated office experience or a combination of both. The students have completed also a minimum of one year of typewriting and at least three other year-long courses in the area of business education. Final results and conclusions will be available at the completion of the project.

PA19038
Computer Programming (Acquaintanceship Only)

Coates, Margaret D.
Chairman of Business Education Department
Pocono Mountain School District, Swiftwater, Pennsylvania
$1,119.00 Federal-State Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Research related
*Vocational Service - Business
*Educational Level - High School

The objectives of this project are: (1) to determine whether enough computer training can be given in the short period of six weeks to provide students with sufficient acquaintanceship of computer programming to permit them to learn whether they have an aptitude for or an interest in pursuing the field upon graduation from high school, and (2) to learn whether it is feasible to purchase computer time from local business which will necessitate scheduling such instruction after regular school time, either in the evenings or on Saturdays. Students will be taught the functions performed by the various types of computers, the job opportunities that are available in this field, and the amount of education required to write several simple programs for the 360-20 computer. They will run their programs at the Patterson-Kelly Company on two Saturdays. Final results and conclusions will be available at the completion of the project.

PA19040
Occupational Skills

Newman, Carl A.
Supervising Principal
North Allegheny School District, 350 Cumberland Road, Pittsburgh, Pennsylvania
$3,950.00 Federal-State Funds $4,000.00 Local Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Developmental, Research related
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health,
  Home Economics, Trade & Industry
*Educational Level - High School

The major objectives of this project are: (1) to provide exploratory and cooperative training to underachievers, (2) to motivate the student to perform occupational skills which are realistic and within the scope of the students' ability, (3) to provide realistic training in terms of the students' potential, and (4) to prevent dropouts by interesting instruction and teaching the student what he must know to perform the skills and develop the competencies necessary to earn a living upon graduation. The students will enroll in a one-period course exploring occupational opportunities in his junior year. When the student becomes a senior he could possibly enter a formal program of vocational training which may include cooperative work experience. If he does not qualify, he will be placed in an occupational cooperative training program. Final results and conclusions will be available at the completion of the study.

PA19043
Survey Needs and Develop a Plan for a Program in Vocational-Technical Education

Pebley, Wilson A.
County Superintendent
Fulton County School Board, Court House Annex, McConnellsburg, Pennsylvania
$14,650.00 Federal-State Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Survey Research
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - High School

The objectives of this project are: (1) to survey the occupational needs within the county and service area, (2) to develop plans for conducting a three-year pilot program involving all school districts of the county, and (3) to begin this program by July 1, 1969. The procedure used will be the survey method. An advisory committee was formed to help analyze and evaluate the findings. Final results and conclusions will be available at the completion of the project.

PA19045
A New Approach to Meet Educational and Occupational Needs of Youth Who Are Possible Dropouts

Zinn, Charles F.
Administrative Assistant of Vocational, Technical Practical Arts, and Adult Education
School District of the City of Chester, 18th and Melrose Avenue, Chester, Pennsylvania
$28,247.40 Federal-State Funds $59,783.48 Local Funds 7/1/68 to 6/30/69
(In Progress)

*Project Type - Curriculum Development, Research related
*Vocational Service - Trade & Industry
*Educational Level - High School

The objectives of this project are: (1) to identify potential dropouts, (2) to reduce the number of dropouts, (3) to develop occupational competencies leading to productive employment, (4) to improve basic education and encourage high school graduation, and (5) to make available to other interested persons procedures and techniques which have been found to be applicable to solving the problem. The three-year program will progress through five major phases. These phases are selection, training, summer employment, cooperative studies, and culmination with the full-time employment of each trainee. Final results and conclusions will be available at the conclusion of the project.

1967 to 1969
Projects
(18000–19000)

PA18099-PA19099
Pilot Program in Vocational Horticulture

Schrock, W. W. and Kissinger, W. E.
County Vocational Agriculture Specialist and Horticulture Specialist
Indiana County School Board, 7 North Sixth Street, Indiana, Pennsylvania
$21,616.50 Federal-State Funds 7/1/67 to 6/30/69
(In Progress)

*Project Type - Pilot
*Vocational Service - Agriculture
*Educational Level - High School

The objectives of this project are: (1) to determine the feasibility of using itinerant specialists in the field of horticulture to modernize the instruction in vocational agriculture to include the horticulture speciality fields, (2) to determine the feasibility of itinerant and team-teaching within the supervisory area, (3) to develop curriculum and course material in vocational horticulture that can be used by the vocational agriculture teacher in the Indiana-Cambria area and the teachers of agriculture throughout the state, and (4) to train and develop skills for vocational agriculture students that will fit them for full-time employment upon graduation. The procedures include the training of two experienced horticulturalists. These instructors spent one day a week at each of the schools and were responsible for the horticulture taught. The instruction also includes field trips and work experience in local resources such as golf courses, nurseries, and county and state parks. Final results and conclusions will be available at the completion of the projects.

PA18102-PA19102
Workshop for Vocational Drafting Teachers

Jones, Fred
Workshop Director
Pennsylvania State University, University Park, Pennsylvania
$2,875.00 Federal-State Funds $3,843.00 Local Funds 7/1/67 to 6/30/69
(In Progress)

*Project Type - Workshop
*Vocational Service - Trade & Industry
*Educational Level - College and University

The objectives of this owrkshop are: (1) to develop an understanding of the new methods, principles, and procedures currently being used in the drafting area, and (2) to develop an appreciation of the implications these new methods, principles, and processes project with regard to the improvement of curriculum. The procedure for the workshop was to conduct it from 8:30 a.m. to 11:30 a.m., 1:00 p.m. to 4:00 p.m. for five days. A final evaluation will be made by the workshop supervisor and students participating in the workshop. Final results and conclusions will be available at the completion of this year's workshop.

1966 to 1969
Projects
(17000–18000–19000)

PA17002-PA18002-PA19002
Development and Evaluation of Occupational Information in Agriculture

Osborn, E. F.
Vice President for Research
Pennsylvania State University, University Park, Pennsylvania
$27,800.00 Federal-State Funds $15,059.97 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Research related
*Vocational Service - Agriculture
*Educational Level - College and University

The objectives of this study are: (1) to organize and develop occupational information in agriculture for guidance counselors and teachers to use in acquainting students with occupations in the agricultural world-of-work, and (2) to test experimentally different methods of preparing and making available agricultural occupations information to guidance counselors and agriculture teachers. The procedure included occupational information and tests on agricultural occupations developed in the first phase are being used by ninth and tenth grade agricultural students. The students were selected by their teachers. The students case histories will be obtained for the purpose of studying the relationships between occupational choice of students and instructional procedures used by teachers. This study hopes to reveal pertinent findings in agricultural education in Pennsylvania.

PA17009-PA18009-PA19009
Textile Arts

Drazenovich, Dorothy and Newaron, C. A.
Home Economics Teacher and Supervising Principal
North Allegheny School District, 350 Cumberland Road, Pittsburgh, Pennsylvania
$21,104.12 Federal-State Funds $27,515.48 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental, Research related
*Vocational Service - Home Economics
*Educational Level - High School

The major objectives of this project are: (1) to prepare girls to participate in a placement training program in commercial establishments, (2) to place girls in actual work situations and provide supervision for them and follow-up their high school classes, and (3) to provide beginning preparation in the textile arts for the 11th and 12th grade year. The girls involved in the program will be scheduled as a separate group for concentrated periods of time with the supervision and direction of a qualified teacher. The teaching instruction is job-oriented in the specific techniques utilized in commercial institutions is taught and an opportunity for skill development is provided. The materials in use are the same types of machines and equipment used in the cooperating businesses. The project will be evaluated by observations and judgments of the teachers and supervisor, observations and reactions of the business institutions cooperating in the program, reactions of the students at the completion of the program, and a study of activities in which the students participate following their graduation from high school.

PA17012-PA18012-PA19012
Workshop for Vocational Electronics Teachers

Wensko, Paul
Workshop Supervisor
Pennsylvania State University, University Park, Pennsylvania
$6,050.00 Federal-State Funds $4,096.20 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Workshop
*Vocational Service - Trade & Industry
*Educational Level - College and University

The objectives of this project are: (1) to develop a further understanding of wood utilization, (2) to develop knowledge of scientific analysis of wood products and their applications, and (3) to develop a better understanding of wood products. The procedure of this workshop is to conduct a five-day workshop from 8:30 a.m. to 11:30 a.m. and 1:00 p.m. to 4:00 p.m. The student activities will include lecture-demonstrations, discussions, laboratory exercises and field trips. The workshop will be evaluated by the workshop supervisor and students participating. Final results and conclusions will be available at the conclusion of this year's workshop.

PA17013-PA18013-PA19013
Workshop for Vocational-Practical Nurse Teachers

Lathrop, Robert
Director of Vocational Teacher Education
Pennsylvania State University, University Park, Pennsylvania
$5,450.00 Federal-State Funds $4,396.20 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Workshop
*Vocational Service - Health
*Educational Level - College and University

The objectives of this workshop are: (1) to develop abilities in testing and evaluation techniques, (2) to develop understanding of evaluation procedures, and (3) to develop appreciation of testing and evaluation in the total teaching effort. The procedure is to conduct the five-day workshop from 8:30 a.m. to 11:30 a.m. and 1:00 p.m. to 4:00 p.m. The workshop will be evaluated by the workshop supervisor and the students participating in the workshop. Final results and conclusions will be available upon completion of this year's workshop.

PA17018-PA18018-PA19018
Home and Institutional Health Aide

Kenamond, Sarah and Bubel, Nancy
Home Economics Teacher and Registered Nurse
Lewisburg Area School District, Lewisburg, Pennsylvania
$3,988.21 Federal-State Funds $2,080.00 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental
*Vocational Service - Home Economics
*Educational Level - Post High School

The major objectives of this project are: (1) to bring respect and esteem to the profession which ministers to the ill, the aged, and the handicapped, (2) to show the best way to use and care for equipment in the care of the sick, (3) to instruct in the proper procedures and routines of all the institutional and home nursing courses so that the trainee feels confident and secure, and (4) to open up new possibilities for employment and fill existing shortages. The students are involved in regular classroom activities. The course is presented by the use of texts, question and answer periods, demonstrations, and actual practice of techniques and methods. The program to date has proven to be very successful, especially meeting the objective of opening job opportunities. The project is periodically evaluated.

PA17031-PA18031-PA19031
Demonstration Project - Systematic Approach to Curriculum Development and Implementation in Vocational Education

Kishkunas, Louis J.
Assistant Superintendent of Occupational, Vocational, and Technical Education
Pittsburgh School District, 314 South Bellefield Avenue, Pittsburgh, Pennsylvania
$378,177.00 Federal-State Funds $148,051.50 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Research related, Developmental
*Vocational Services - Agriculture, Business, Distributive, Guidance, Health, Home Economics, Trade & Industry
*Educational Level - Area Vocational-Technical High School

The objectives of this project are: (1) to formulate and test a logical, systematic approach for developing curricula, (2) to train vocational teachers in the philosophy and techniques of curriculum construction; (3) to upgrade existing vocational programs so that optimal learning environments might ensue, and (4) to develop a set of course guides, using the operational methods designed by a team of specialists, for dissemination to public school systems. Phase I on the project established a curriculum workshop for selected vocational teachers. Phase II of the project aimed at developing operational techniques for constructing curriculum in vocational areas. The project has proved to be successful to date. Final results and conclusions will be available at the completion of the project.

PA17042-PA18042-PA19042
Agricultural Resources

Lord, Carleton R. and Webb, George
Teacher of Pilot Program and Guidance Counselor
Pocono Mountain School District, Swiftwater, Pennsylvania
$43,214.09 Federal-State Funds $16,293.87 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental, Research related
*Vocational Service - Agriculture
*Educational Level - High School

The objectives of this project are: (1) to determine a curriculum for an agricultural resources program with supporting areas of instruction, occupations in agricultural resources, (2) to determine criteria and suggestions for supervised occupational experience, (3) to determine the most adequate and feasible facilities, (4) to determine the most adequate and feasible equipment, and (5) to provide for periodic evaluation of the program. The procedures for the study involve the forming of an advisory committee, designing the course of study, and selecting students for the program. The students were involved in classroom learning activities and supervised occupational experience. Evaluation is made by the advisory committee, teacher, students achievement, and placement. The project to date is progressing well and final conclusions will be available upon completion of the project.

PA17046-PA18046-PA19046
Institutional Food Service

Winger, H. Dale
Superintendent of Schools
Pottstown School District, Beech and Penn Streets, Pottstown, Pennsylvania
$27,327.00 Federal-State Funds $6,015.00 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental, Research related
*Vocational Service - Home Economics
*Educational Level - High School

The major objectives of this project are: (1) to make the student aware of the employment opportunities available in the field and the training requirements for food service employes, (2) to develop in the student the ability to work cooperatively with his associates and with the framework of policies and procedures established by his employer, (3) to provide him with a knowledge of basic nutrition and its influence on the health and well-being of the individual, (4) to develop in the student the skills in basic cooking procedures and quantity food preparation and an appreciation of the importance of attractive service of food, and (5) to provide on-the-job experience for students in local institutions. The procedures included in the project are general counseling, testing of the students, job placements, and a follow-up evaluation. Final conclusions are not available at present, but the success of the program will be governed by one item -- the finished product.

PA17047-PA18047-PA19047
Home Economics Wage-Earning Program

Carn, Luella and Crist, Hazel
Home Economics Teachers
Altoona Area School District, 1415 Seventh Avenue, Altoona, Pennsylvania
$31,277.36 Federal-State Funds $15,182.93 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental, Research related
*Vocational Service - Home Economics
*Educational Level - High School

The objectives of this project are: to expand the vocational home economics program to meet the needs of a larger group of students, (2) to develop a three-year curriculum which will train both boys and girls for wage-earning occupations growing out of the knowledge and skills of home economics, (3) to determine the length of time needed for an adequate training program in wage-earning occupations related to home economics, and (4) to test the value of providing training in more than one occupational skill. The procedure for establishing a wage-earning curriculum was: (1) to take into consideration the requirements for graduation from high school in Pennsylvania; (2) to determine the subject matter areas which will provide a broad background of general knowledge, and (3) to recognize the importance of adequate training in the skills and knowledge necessary for food services, clothing and home decorating services, and aides in institutional housekeeping. The curriculum is being evaluated at yearly intervals. The evaluation is concerned with the type of learning experiences, teaching techniques, and the adequacy of students to enter the food service areas. Final results and conclusions will be available at the completion of the project.

PA17049-PA18049-PA19049
Adult Horticulture Pilot Program

Schaffer, George M. and Horowitz, Benjamin
Principal and Instructor of Program
Bucks County Area Vocational School, Wistar Road, Fairless Hills, Pennsylvania
$29,920.65 Federal-State Funds $5,000.00 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Research related, Curriculum Development
*Vocational Service - Agriculture
*Educational Level - Post High School

The objectives of this project are: (1) to determine guidelines for establishing Adult Horticulture programs, (2) to determine the equipment, facilities, and time requirements, for training and teaching adult horticulture, and (3) to establish a curriculum, course material, resource material, and method of teaching adult horticulture. The procedure followed are: (1) to establish guidelines by evaluating the effectiveness of different approaches to setting up and operating an adult horticulture program, and (2) to evaluate the adequacy of all-day facilities for teaching adult horticulture, and (3) to develop the curriculum. The project is evaluated daily, weekly, and monthly. Final results and conclusions will be available at the completion of the project.

PA17050-PA18050-PA19050
Vocational-Technical Education in Agricultural Resources

Stevens, Glenn Z.
Project Director
Pennsylvania State University, University Park, Pennsylvania
$24,516.00 Federal-State Funds $12,995.00 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Developmental Pilot
*Vocational Service - Agriculture
*Educational Level - High School, Post High School

The objectives of this project are: (1) to obtain data by means of an interview survey of agencies and businesses relative to the kinds of occupations that exist in management, operation, and services concerned with agricultural resources, (2) to organize curriculum materials and suggested learning experiences for instruction in courses in selected schools, and (3) to field test schools. The procedure used is a survey. The survey will obtain data in kinds of management, operation and service occupations, the number of persons employed in these occupations, and the agricultural competencies needed by employes to be successful in their work. Curriculum materials will be developed and field tested in schools, and pilot programs will be established. Final results and conclusions will be available at the completion of the project.

PA17056-PA18056-PA19056
A Three-Year Program of Distributive Education in a Comprehensive Senior High School

Stevens, Stratton B.
Teacher Coordinator
West Chester Area School District, 320 North Church Street, West Chester, Pennsylvania
$33,454.96 Federal-State Funds $76,804.20 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Curriculum Development, Research related
*Vocational Service - Distributive
*Educational Level - High School

The major objectives of this project are: (1) to provide instruction for more students in a vocationally oriented curriculum rather than a "general course", (2) to begin instruction in the area of distribution prior to the time of employment, (3) to provide opportunity for more individual work by students in work activities and on individual projects before entering the work-experience programs, and (4) to evaluate the facilities needed for a two-teacher department. The project incorporates a two-teacher department with an enrollment of 140 students. The courses offered are Salesmanship, Marketing, and Merchandising. In addition to classes in these areas, time is allotted for supervision of activities and projects of the individual students in 10th and 11th grades. The coordinator supervises the work experience of 12th grade students who will be released from school a minimum of two class periods per day for their cooperative work experience programs. The final results and conclusions will be available at completion of the project.

PA17068-PA18068-PA19068
Home Economics Occupational Program

Scanlon, Dorothy and Schocosky, Constance
Home Economics Teachers
West Mifflin Area School District, 4043 Irene Street, West Mifflin,
Pennsylvania
$18,811.40 Federal-State Funds $35,915.00 Local Funds 7/1/66 to 6/30/69
(In Progress)

*Project Type - Curriculum Development, Research related
*Vocational Service - Home Economics
*Educational Level - High School

The major objectives of this project are: (1) to train workers for employment in a cluster of food service operations, (2) to establish a training program for food demonstrators as an additional opportunity, (3) to give basic training that would be terminal or would lead to further education at the post high school level, and (4) to comprehend the benefits and responsibilities involved in being employed. The procedure used in this project was to adapt the curriculum developed by the state to include the food demonstration area. An advisory board was formed to assist in the project. The teachers and officials of the local district are supervising the students in their work experience. Special instructional materials, equipment, and supplies were needed to teach the course. Final results and conclusions will be available at the completion of the study.

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